

APPENDIX C

TRAFFIC

Appendix C-1

Traffic Volumes

Traffic Data for Allegheny Tunnel Between Somerset I/C and Bedford I/C

Traffic Volumes

	2016	2020	2040
Eastbound ADT	26,564	28,855	43,641
Westbound ADT	22,597	24,012	32,532
Peak Hour (EB) 8.72% *	2,317	2,517	3,806
Peak Hour (WB) 9.29% *	2,100	2,231	3,023

Peak Month: EB-May, WB-May

*Denotes K-Factor

Vehicle Composition(%) (Peak Hour):

	EB	WB
PTC Class 1=	89.94%	92.14%
PTC Class 2=	3.24%	2.10%
PTC Class 3=	0.82%	0.29%
PTC Class 4=	0.30%	0.48%
PTC Class 5=	1.42%	1.57%
PTC Class 6=	1.38%	1.24%
PTC Class 7=	2.77%	2.14%
PTC Class 8=	0.13%	0.04%
PTC Class 9=	0.00%	0.00%
Growth Factors:	2.09%	1.53%

Appendix C-2

Crash Analysis

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
INTRODUCTION	1
DESCRIPTION OF ANALYSES	1
CONCLUSIONS	4

<u>LIST OF TABLES</u>	<u>PAGE</u>
TABLE 1 – PERCENTAGE OF CRASHES BASED ON TYPE.....	1
TABLE 2 – PERCENTAGE OF CRASHES BASED ON WEATHER	2
TABLE 3 – PERCENTAGE OF CRASHES BASED ON CAUSE / VIOLATION.....	2
TABLE 4 – ALLEGHENY TUNNEL CRASH RATE COMPARISON TO STATEWIDE CRASH RATES.....	3

LIST OF APPENDICES

APPENDIX A – PERCENTAGE OF CRASH SUMMARY

APPENDIX B – HOMOGENOUS REPORT FOR STATE ROAD CRASHES

INTRODUCTION

L.R. Kimball performed a comprehensive crash analysis to assess the overall safety of the Allegheny Tunnels on the Pennsylvania Turnpike Mainline. Reportable crash data was obtained from the Pennsylvania Turnpike Commission (PTC) for crashes that occurred within the vicinity of the Allegheny Tunnel, between Milepost Markers 121.0 and 125.0. The crashes that were analyzed occurred between January 1, 2012 and December 31, 2016. These reports provide a five (5)-year chronology of crash incidents that is required to perform an analysis of this nature. In accordance with the Institute of Transportation Engineers (ITE) practices, this is the most prevalent form of data for crash analysis used by transportation professionals.

Various techniques are available to identify spot locations or roadway sections that have experienced a higher than anticipated rate of crash occurrence. Crash rates are typically used to compare the rates of crash occurrences on identical roadway types using the Homogenous Report for State Road Crashes in Years 2012 to 2016. Therefore, the crash rate was found for the Allegheny tunnels and then compared to the statewide crash rate for similar interstate segments in Pennsylvania.

DESCRIPTION OF ANALYSES

Of the 132 crashes that occurred within the area of the Allegheny Tunnels, 40.9% were vehicle/fixed object crashes, 4.5% were vehicle/deer crashes, 17.4% were vehicle/vehicle (rear-end) crashes and 25.0% were vehicle/vehicle (same direction sideswipe) crashes. Typical factors for fixed object crashes are fatigue, excessive speed, failure to perceive changes in roadway alignment or slick pavement. Rear-end crashes are typically caused by drivers following too closely to the vehicle in front of them or when a driver's ability to detect slow-moving or stopped traffic ahead is affected by factors such as: sun glare, fog, smoke, fatigue, distractions, or work zones. Same direction sideswipe crashes typically occur when a driver carelessly attempts to pass or change lanes or when a driver drifts to the other lane when over/under compensating a curve, traveling too fast, or being tired or distracted. The remaining 12.2% are comprised of angle, opposite direction sideswipe or non-collision crashes. The results of the percentage of crashes based on type for each of the analyzed tunnels are shown in Table 1.

Table 1 – Percentage of Crashes Based on Type	
Type	Percentage
Vehicle-Fixed Object	40.9%
Vehicle-Deer	4.5%
Vehicle-Vehicle	
• Rear-end	17.4%
• Sideswipe (Same Direction)	25.0%
Other ⁽¹⁾	12.2%

(1)– Includes sideswipe (opposite direction), angle and non-collision crashes.

Injuries occurred in 22.7% of the crashes within the area of the Allegheny Tunnels, with no fatalities reported over the five-year period.

Results of the crash analysis identify no contributing weather conditions in 78.8% of the crashes within the area of the Allegheny Tunnels. Snow was the most prominent weather condition in 12.9% of the crashes followed by rain at 4.5% of the total crashes. The results of the percentage of crashes based on weather conditions are shown below in Table 2.

Table 2 – Percentage of Crashes Based on Weather	
Weather	Percentage
Clear	78.8%
Snow	12.9%
Rain	4.5%
Sleet	3.0%
Fog	0.8%

As part of the crash analysis, L.R. Kimball also recorded the percentage of crashes that occurred by type of violation. Driving too fast for conditions accounted for 27.3% of the crashes occurring in and around the Allegheny Tunnels. Careless passing or lane change and other improper driving actions accounted for 18.9% and 18.2% of the crashes, respectively. Over / under compensation at curve accounted for 9.8% of the crashes, while deer or other animals in roadway accounted for 5.3% of the crashes. Tailgating accounted for 4.5% of the crashes. The remainder of the crashes (15.9%) were caused by various other violations ranging from the driver being distracted to sudden slowing or stopping. The results of the percentage of crashes based on cause/violation for each of the analyzed tunnels are shown in Table 3.

Table 3 – Percentage of Crashes Based on Cause / Violation	
Cause / Violation	Percentage
Driving too Fast for Conditions	27.3%
Careless Passing or Lane Change	18.9%
Other Improper Driver Actions	18.2%
Over / Under Compensation at Curve	9.8%
Deer or Other Animal in Roadway	5.3%
Tailgating	4.5%
Other ⁽¹⁾	15.9%

(1)– Includes careless or illegal backing on roadway, slippery road conditions, affected by physical conditions, driver was distracted, driving on the wrong side of the road, obstacle on roadway, careless parking / unparking, failure to respond to TCD, failure to maintain proper speed, proceeding without clearance, speeding, sudden slowing / stopping or tires.

A more detailed breakdown of percentages based on type, weather condition, cause/violation, etc., for each tunnel can be found in **Appendix A** attached to this report.

A review of the crash data included as **Appendix A**, reveals that a majority of the crashes approaching / departing the western terminus of the tunnels were either fixed object or rear-end crashes. These crashes were mainly attributed to improper driving actions, driving too fast for conditions or tailgating. Approaching / departing the eastern terminus of the tunnels, the majority of the crashes were either fixed object or same direction sideswipe crashes. The fixed object crashes were mainly attributed to driving too fast for conditions or over /

under compensating a curve, whereas the same direction sideswipe crashes were mainly attributed to careless passing or changing lanes. It should be noted that there is a sharp curve to the left as vehicles depart the tunnel traveling eastbound. This curve is most likely the cause for the cluster of fixed object crashes which occurred near MP 123.5 in both the eastbound and westbound directions of travel. Within the tunnels, the majority of the crashes reported traveling eastbound were rear-end crashes while the majority of the crashes that occurred traveling westbound were same direction sideswipe crashes. The crashes in the tunnels were mainly attributed to drivers traveling too fast or carelessly passing or changing lanes.

Various techniques are available to identify spot locations or roadway sections that have experienced a higher than expected rate of crash occurrence. Crash rates are typically used to compare the rates of crash occurrences on identical roadway types using the Homogenous Report for State Road Crashes in Years 2012 to 2016. This table was acquired by Pennsylvania Department of Transportation (PennDOT) and can be found in *Appendix B* attached to this report. Calculations of the various crash rates that were computed for the Allegheny Tunnels are shown in Table 4.

L.R. Kimball determined the overall crash rate within the environs of the Allegheny Tunnels as well as the crash rates within each tunnel and within ½-mile of approaching / departing each tunnel. These rates were then compared to the interstate rate found on the Homogenous Report for State Road Crashes for an interstate. As shown in the table, within the environs of the Allegheny Tunnels, the crash rate in the eastbound direction is 0.31 crashes/million vehicle miles (MVM), while the crash rate in the westbound direction is 0.44 MVM. These rates are 1.24 and 1.76 times higher than the statewide crash rate for similar interstate segments in Pennsylvania, respectively. Likewise, the crash rates within the tunnels are very similar to those calculated within the environs. However, looking at the crash rates within ½ mile of approaching / departing the tunnels, the crash rate in the eastbound direction is 0.56 crashes / MVM, while the crash rate in the westbound direction is 0.73 crashes / MVM. These rates are 2.24 and 2.92 times higher than the statewide crash rates for similar interstate segments in Pennsylvania, respectively.

Table 4 – Allegheny Tunnel Crash Rate Comparison to Statewide Crash Rates

Description	Total # of Crashes	Length	Crashes / Year / Mile	ADT	Crash Rate / MVM	Roadway Segment Type	Statewide Crash Rate
Crash Rates within Environs of Allegheny Tunnels MP 121 to MP 125							
Eastbound	60	4.0	3	26,564	0.31	Rural, FAC, Divided,	0.25
Westbound	72	4.0	3.6	22,597	0.44	0-99 FT Width, 20,001 - 99,999 ADT	
Crash Rates within 1/2 Mile Approaching / Departing Tunnel (MP 121.7 - MP 122.19 & MP 123.31 - MP 123.8)							
Eastbound	27	1.0	5.4	26,564	0.56	Rural, FAC, Divided,	0.25
Westbound	30	1.0	6	22,597	0.73	0-99 FT Width, 20,001 - 99,999 ADT	
Crash Rates within Allegheny Tunnel - MP 122.2 to MP 123.3							
Eastbound	16	1.1	2.9	26,564	0.30	Rural, FAC, Divided,	0.25
Westbound	21	1.1	3.8	22,597	0.46	0-99 FT Width, 20,001 - 99,999 ADT	

CONCLUSIONS

As shown in this report, the crash rate for the Pennsylvania Turnpike while approaching or departing the Allegheny Tunnels is more than two times greater than the statewide crash rate for similar interstate segments in Pennsylvania. In general, the crash rates within the environs of the tunnels along the Turnpike Mainline are higher than the statewide average. Comparing the crash data within a one mile radius of the tunnels reveal that the interstate crash rate for the Pennsylvania Turnpike increases significantly within ½ mile on either side of the tunnels. Within the vicinity of the tunnels, the majority of crashes occurred during daylight hours and under clear conditions.

The results of the crash analysis indicate that the presence of tunnels along the Pennsylvania Turnpike is a contributing factor to the crash rates being considerably higher than the statewide averages. It should be noted that when construction or routine maintenance occurs on the Turnpike within the environs of the tunnels, the divided two-way traffic is sometimes forced to utilize one tunnel. This creates an opportunity for head-on or opposite direction sideswipe crashes to occur. However, only four (4) opposite direction sideswipe crashes were reported over the five-year study period. It should also be noted that during the winter months, traffic approaching the Allegheny Tunnels is routinely stopped to enable snow and ice removal, as necessary. This most likely contributes to the high number of rear-end crashes approaching the tunnels in addition to the delay experienced by the traveling public. Therefore, a cut section of roadway in lieu of a tunnel would decrease the interstate crash rate as well as the head-on/opposite direction sideswipe crash rates.

APPENDIX A

PERCENTAGE OF CRASHES AT EACH LOCATION		
Location	No. of Accidents	%
Mile Post 121.0 - Mile Post 121.9	20	15.2%
Mile Post 122.0 - Mile Post 122.9	25	18.9%
Mile Post 123.0 - Mile Post 123.9	58	43.9%
Mile Post 124.0 - Mile Post 125.0	29	22.0%
Total	132	100.0%

PERCENTAGE OF CRASHES BASED ON INJURY		
Injury	No. of Accidents	%
No Injury Occurred	102	77.3%
Injury Occurred	30	22.7%
Fatality	0	0.0%
Total	132	100.0%

PERCENTAGE OF CRASHES BASED ON VIOLATION		
Cause / Violation	No. of Accidents	%
Driving too Fast for Conditions	36	27.3%
Careless Passing or Lane Change	25	18.9%
Other Improper Driving Actions	24	18.2%
Over / Under Compensation at Curve	13	9.8%
Deer/ Other Animal in Roadway	7	5.3%
Tailgating	6	4.5%
Careless or Illegal Backing on Roadway	3	2.3%
Sippery Road Conditions	3	2.3%
Affected by Physical Condition	2	1.5%
Driver was Distracted	2	1.5%
Driving on the Wrong Side of the Road	2	1.5%
Obstacle on Roadway	2	1.5%
Careless Parking / Unparking	1	0.8%
Failure to respond to TCD	1	0.8%
Failure to Maintain Proper Speed	1	0.8%
Proceeding w/o Clearance After Stop	1	0.8%
Speeding	1	0.8%
Sudden Slowing / Stopping	1	0.8%
Tires	1	0.8%
Total	132	100.0%

PERCENTAGE OF CRASHES BASED BY TYPE		
Type	No. of Accidents	%
Hit Fixed Object	54	40.91%
Sideswipe (Same Direction)	33	25.00%
Rear End	23	17.42%
Angle	6	4.55%
Non-Collision	6	4.55%
Hit Fixed Object (Deer)	6	4.55%
Sideswipe (Opposite Direction)	4	3.03%
Total	132	100.0%

PERCENTAGE OF CRASHES BASED ON WEATHER		
Weather	No. of Accidents	%
Clear	104	78.8%
Rain	6	4.5%
Sleet	4	3.0%
Snow	17	12.9%
Fog	1	0.8%
Total	132	100.0%

APPENDIX B

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

STATE ROAD

							-----ACCIDENT COUNTS BY SEVERITY-----									
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----						ACC TOTAL	ACCIDENT RATE INTENSITY		
		TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	211	362	1,500	2,744	870	256	10,291	16,234	0.41	7.74
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	37	67	292	518	173	61	1,570	2,718	0.32	14.30
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	9	47	77	28	8	237	413	0.61	1.65
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	115	171	716	1,237	499	84	3,017	5,839	0.82	8.98
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	1	14	29	3	0	41	89	2.02	23.92
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	84	217	657	1,067	340	163	2,384	4,912	1.71	0.82
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	295	598	2,141	3,298	1,184	402	7,690	15,608	1.89	1.62
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	6	15	56	119	48	15	303	562	1.21	4.18
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	1,247	2,343	8,328	13,737	5,142	1,229	31,857	63,883	1.21	6.36
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	91	153	565	1,066	415	97	2,458	4,845	1.08	9.27
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	3	22	54	98	52	11	235	475	1.22	11.51
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	15	44	80	36	3	173	352	1.23	27.34
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	59	123	452	823	368	56	1,821	3,702	0.87	19.94
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	21	35	146	274	135	25	690	1,326	0.87	23.97
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	9	27	76	157	56	13	359	697	0.82	19.20
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	5	5	18	44	18	2	78	170	0.92	21.23
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	388	870	4,779	10,530	6,511	1,563	29,352	53,994	0.56	25.23
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	40	78	344	879	587	151	2,342	4,421	0.83	7.47
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	756	2,069	9,402	23,867	20,215	2,407	42,921	101,637	1.88	33.63
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	21	46	91	48	14	292	515	2.36	1.88
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	16	83	261	381	256	74	1,155	2,226	2.84	3.08
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	16	64	136	84	17	324	646	1.42	7.56
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	546	1,516	5,697	11,753	7,595	1,267	30,151	58,525	1.52	12.07
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	153	508	2,162	5,034	4,021	737	11,441	24,056	2.20	24.10
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	31	84	447	1,270	971	175	1,710	4,688	2.90	34.97
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	190	532	2,396	6,051	4,579	538	14,425	28,711	1.38	33.67
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	116	344	1,589	4,179	3,370	400	8,892	18,890	1.70	42.74
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	117	319	1,616	4,238	3,580	496	8,710	19,076	1.94	51.43
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	82	288	1,266	3,663	2,801	357	5,090	13,547	2.30	60.45

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

65MPH LIMIT

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
		TOTAL WIDTH		ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	160	266	1,027	2,036	627	184	7,615	11,915	0.30	5.68		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	25	41	174	336	107	42	1,010	1,735	0.20	9.13		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	1	0	0	1	2	0.00	0.01		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	2	2	1	0	10	15	0.00	0.02		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	1	0	1	0	0	2	4	0.00	0.00		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	1	1	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	0	0	0	2	2	0.00	0.01		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	87	145	685	1,198	471	128	4,203	6,917	0.07	3.23		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	1	0	0	0	11	12	0.00	0.02		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	3	7	2	0	12	24	0.00	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	0	2	2	1	0	6	11	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	0	0	0	0	2	2	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	0	0	0	0	0	0.00	0.00		



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Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

70MPH LIMIT

							-----ACCIDENT COUNTS BY SEVERITY-----									
				MILLION	VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT	
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	30	55	278	289	98	31	1,361	2,142	0.05	1.02
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	1	2	1	0	9	13	0.00	0.07
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	4	4	22	10	10	1	117	168	0.00	0.08
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	0	0	0	0	1	1	0.00	0.00
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	0	0	0	0	0	0.00	0.00

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

AGGRESSIVE DRIVING

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	109	141	699	1,338	428	119	3,996	6,830	0.17	3.26
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	20	32	173	309	106	38	824	1,502	0.18	7.90
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	6	3	32	47	23	5	144	260	0.39	1.04
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	77	109	489	797	315	38	1,615	3,440	0.48	5.29
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	1	12	21	0	0	28	63	1.43	16.93
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	52	112	357	553	163	77	1,245	2,559	0.89	0.43
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	196	315	1,104	1,792	598	220	4,047	8,272	1.00	0.86
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	3	7	31	60	25	9	156	291	0.63	2.17
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	758	1,279	4,540	7,625	2,789	589	16,298	33,878	0.64	3.37
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	45	96	302	604	223	49	1,238	2,557	0.57	4.89
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	12	34	63	29	6	135	281	0.72	6.81
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	18	53	22	1	93	190	0.66	14.76
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	35	72	261	484	214	32	990	2,088	0.49	11.25
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	6	23	82	158	73	11	336	689	0.45	12.45
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	3	13	44	92	38	5	196	391	0.46	10.77
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	3	2	13	29	13	2	49	111	0.60	13.86
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	227	511	3,127	7,129	4,539	1,047	18,011	34,592	0.36	16.16
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	25	46	213	561	366	79	1,446	2,736	0.51	4.62
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	407	1,215	5,985	14,847	12,418	1,257	27,357	63,486	1.18	21.01
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	13	29	55	30	6	160	296	1.36	1.08
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	10	52	150	221	127	33	604	1,197	1.53	1.65
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	8	43	75	40	4	174	349	0.77	4.08
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	335	824	3,331	7,139	4,409	623	17,714	34,375	0.89	7.09
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	76	241	1,202	2,809	2,202	342	6,296	13,168	1.20	13.19
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	12	39	221	638	481	66	957	2,414	1.50	18.01
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	100	268	1,416	3,759	2,711	289	8,532	17,075	0.82	20.02
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	55	173	836	2,365	1,780	194	4,950	10,353	0.93	23.42
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	52	142	878	2,377	1,918	227	4,893	10,487	1.07	28.27
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	36	129	675	1,976	1,402	168	2,908	7,294	1.24	32.55

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

ALCOHOL RELATED

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	32	40	106	119	34	11	218	560	0.01	0.27		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	7	11	15	22	9	3	52	119	0.01	0.63		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	1	2	6	2	1	12	26	0.04	0.10		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	25	28	75	96	26	13	150	413	0.06	0.64		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	1	3	0.07	0.81		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	35	71	133	172	42	34	273	760	0.26	0.13		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	121	173	372	511	191	56	795	2,219	0.27	0.23		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	3	5	13	6	2	21	50	0.11	0.37		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	394	593	1,205	1,538	614	145	2,378	6,867	0.13	0.68		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	25	32	72	110	31	12	178	460	0.10	0.88		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	4	7	6	1	1	21	41	0.11	0.99		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	3	4	2	0	13	24	0.08	1.86		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	12	21	36	59	22	3	78	231	0.05	1.24		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	5	9	19	6	4	33	79	0.05	1.43		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	3	9	14	0	3	22	52	0.06	1.43		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	4	0	1	1	2	0	5	13	0.07	1.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	109	170	455	679	430	81	1,336	3,260	0.03	1.52		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	12	14	39	69	57	10	165	366	0.07	0.62		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	204	354	698	1,211	1,108	152	2,407	6,134	0.11	2.03		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	8	8	9	5	2	36	68	0.31	0.25		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	6	27	54	59	48	9	137	340	0.43	0.47		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	4	3	10	26	7	0	37	87	0.19	1.02		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	186	384	777	1,236	697	129	2,466	5,875	0.15	1.21		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	44	107	268	419	318	81	1,091	2,328	0.21	2.33		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	10	12	42	87	69	18	161	399	0.25	2.98		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	45	113	226	367	253	33	790	1,827	0.09	2.14		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	31	61	150	266	224	30	578	1,340	0.12	3.03		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	34	63	137	261	229	23	640	1,387	0.14	3.74		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	16	46	99	190	143	35	393	922	0.16	4.11		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

ANGLE

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	20	23	81	198	52	25	450	849	0.02	0.41
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	4	6	26	47	17	7	92	199	0.02	1.05
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	4	7	5	1	18	35	0.05	0.14
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	47	59	279	395	158	18	665	1,621	0.23	2.49
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	6	15	2	0	19	43	0.98	11.56
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	18	72	105	39	5	210	453	0.16	0.08
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	35	64	242	424	149	25	795	1,734	0.21	0.18
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	1	7	23	4	2	33	72	0.15	0.54
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	277	472	1,659	2,492	1,058	149	4,682	10,789	0.20	1.07
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	22	37	145	319	111	18	613	1,265	0.28	2.42
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	5	23	40	26	5	92	192	0.49	4.65
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	8	16	6	0	18	50	0.17	3.88
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	17	35	114	200	89	11	364	830	0.20	4.47
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	4	13	50	82	38	3	135	325	0.21	5.87
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	13	26	55	19	4	83	200	0.24	5.51
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	2	7	17	8	0	22	56	0.30	6.99
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	33	78	303	601	390	114	1,490	3,009	0.03	1.41
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	7	40	137	108	17	308	618	0.12	1.04
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	235	798	4,015	9,466	7,969	800	16,252	39,535	0.73	13.08
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	10	27	9	1	56	105	0.48	0.38
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	4	15	60	91	54	16	209	449	0.57	0.62
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	3	19	29	27	3	67	148	0.33	1.73
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	124	385	1,697	3,627	2,453	261	8,382	16,929	0.44	3.49
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	31	142	836	2,094	1,619	243	4,450	9,415	0.86	9.43
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	25	159	518	385	61	737	1,888	1.17	14.08
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	67	168	791	1,841	1,416	140	4,175	8,598	0.41	10.08
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	26	88	533	1,304	1,042	115	2,716	5,824	0.52	13.18
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	34	77	543	1,450	1,197	146	2,971	6,418	0.65	17.30
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	21	89	447	1,393	1,017	125	1,988	5,080	0.86	22.67

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

BICYCLE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	5	2	0	0	0	7	0.00	0.01		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	2	2	4	2	0	0	11	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	3	7	9	11	5	0	0	35	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	1	1	0	0	2	0.00	0.02		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	7	11	43	45	23	0	0	129	0.00	0.01		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	3	1	5	4	2	0	0	15	0.00	0.03		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	2	1	1	0	0	4	0.01	0.10		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	0	0	2	0	0	3	0.01	0.23		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	1	1	7	2	2	0	1	14	0.00	0.08		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	0	1	4	1	0	0	7	0.00	0.13		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	1	0	0	0	1	0.01	0.13		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	2	2	0	0	4	0.00	0.00		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	0	6	2	0	0	10	0.00	0.02		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	17	60	251	558	350	0	2	1,238	0.02	0.41		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	0	0	1	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	5	4	3	0	0	12	0.02	0.02		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	2	2	1	0	0	5	0.01	0.06		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	11	23	83	115	80	0	1	313	0.01	0.07		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	29	75	138	93	0	0	336	0.03	0.34		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	3	22	67	38	0	0	130	0.08	0.97		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	7	13	36	62	46	0	0	164	0.01	0.19		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	7	46	89	60	0	0	202	0.02	0.46		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	5	14	56	98	71	0	0	244	0.02	0.66		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	6	10	49	108	67	0	0	240	0.04	1.07		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

CELL PHONE																

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

COMMERCIAL VEHICLE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	85	110	384	632	185	81	1,907	3,384	0.08	1.61		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	17	14	101	135	45	21	363	696	0.08	3.66		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	6	10	25	5	0	48	95	0.14	0.38		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	29	28	94	116	51	11	354	683	0.10	1.05		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	4	6	0.14	1.61		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	3	6	19	28	7	1	95	159	0.06	0.03		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	21	17	72	121	37	7	259	534	0.06	0.06		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	5	2	3	1	12	24	0.05	0.18		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	153	141	473	728	270	44	1,620	3,429	0.07	0.34		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	14	13	41	70	36	6	194	374	0.08	0.72		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	4	3	6	4	0	15	34	0.09	0.82		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	4	7	3	1	12	28	0.10	2.18		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	9	36	56	32	3	121	266	0.06	1.43		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	11	8	29	32	15	2	79	176	0.12	3.18		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	4	2	5	14	6	1	23	55	0.06	1.52		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	2	2	3	2	0	11	21	0.11	2.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	122	154	674	1,267	749	199	3,325	6,491	0.07	3.03		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	3	10	39	82	31	13	193	371	0.07	0.63		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	82	128	506	1,203	1,086	88	2,389	5,482	0.10	1.81		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	1	3	3	0	9	19	0.09	0.07		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	3	6	9	4	4	35	61	0.08	0.08		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	3	6	1	0	8	18	0.04	0.21		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	54	66	215	423	288	43	1,121	2,210	0.06	0.46		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	9	32	76	200	130	22	465	934	0.09	0.94		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	9	15	64	50	7	73	220	0.14	1.64		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	30	48	126	245	200	17	594	1,260	0.06	1.48		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	23	24	69	200	115	21	436	888	0.08	2.01		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	17	13	71	161	143	15	386	806	0.08	2.17		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	15	17	52	174	122	14	267	661	0.11	2.95		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

CURVE DRIVER ERROR

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	9	26	57	90	43	14	275	514	0.01	0.25
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	2	7	3	2	0	17	31	0.00	0.16
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	1	11	18	4	1	33	70	0.10	0.28
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	8	19	35	11	4	84	164	0.02	0.25
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	15	34	106	133	38	24	270	620	0.22	0.10
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	80	118	293	406	162	62	769	1,890	0.23	0.20
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	5	6	9	4	5	21	51	0.11	0.38
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	196	303	767	1,070	390	120	2,029	4,875	0.09	0.49
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	10	7	28	41	19	8	77	190	0.04	0.36
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	4	0	2	0	0	2	8	0.02	0.19
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	2	0	0	7	11	0.04	0.85
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	6	22	19	4	2	43	105	0.02	0.57
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	5	5	3	0	7	21	0.01	0.38
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	4	1	0	4	9	0.01	0.25
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	1	0	0	1	2	0.01	0.25
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	22	45	146	214	133	38	559	1,157	0.01	0.54
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	13	16	42	68	47	20	209	415	0.08	0.70
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	24	48	129	190	156	43	497	1,087	0.02	0.36
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	12	5	3	2	43	68	0.31	0.25
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	17	37	41	31	8	125	260	0.33	0.36
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	3	1	8	14	3	0	19	48	0.11	0.56
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	82	181	508	784	480	117	1,884	4,036	0.10	0.83
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	8	38	68	105	92	31	268	610	0.06	0.61
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	3	5	5	15	3	31	64	0.04	0.48
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	10	32	73	106	84	26	250	581	0.03	0.68
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	6	13	24	58	47	9	121	278	0.03	0.63
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	5	9	21	42	32	6	109	224	0.02	0.60
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	3	5	16	29	19	12	52	136	0.02	0.61

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

CURVED ROAD

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	54	107	372	684	224	62	2,114	3,617	0.09	1.73		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	8	33	59	14	5	179	299	0.04	1.57		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	5	35	54	19	6	153	279	0.41	1.11		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	26	35	125	236	97	20	592	1,131	0.16	1.74		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	2	3	0	0	5	11	0.25	2.96		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	46	111	346	526	163	85	1,212	2,489	0.87	0.42		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	178	337	1,097	1,647	583	220	3,778	7,840	0.95	0.81		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	10	30	37	22	7	137	245	0.53	1.82		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	590	970	2,916	4,846	1,808	465	10,635	22,230	0.42	2.21		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	37	42	137	238	88	21	509	1,072	0.24	2.05		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	7	4	13	5	0	29	59	0.15	1.43		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	4	15	8	0	39	67	0.23	5.20		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	28	25	69	109	51	4	265	551	0.13	2.97		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	3	13	24	9	2	47	101	0.07	1.83		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	7	21	5	0	39	73	0.09	2.01		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	2	3	5	2	1	5	18	0.10	2.25		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	123	201	864	1,690	1,103	262	4,922	9,165	0.10	4.28		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	28	43	196	405	243	80	1,248	2,243	0.42	3.79		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	107	208	646	1,572	1,209	193	3,448	7,383	0.14	2.44		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	10	21	40	20	7	141	241	1.10	0.88		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	9	37	122	137	104	34	479	922	1.18	1.27		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	3	28	48	18	2	115	219	0.48	2.56		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	236	548	1,660	3,102	1,946	424	8,298	16,214	0.42	3.34		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	31	92	258	470	408	98	1,484	2,841	0.26	2.85		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	8	7	32	45	36	19	131	278	0.17	2.07		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	45	92	263	568	434	71	1,447	2,920	0.14	3.42		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	23	39	104	255	246	40	618	1,325	0.12	3.00		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	17	32	116	232	198	37	524	1,156	0.12	3.12		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	9	17	60	166	104	36	235	627	0.11	2.80		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DEER RELATED

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	11	57	201	28	8	2,286	2,592	0.06	1.24		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	2	24	4	1	187	219	0.03	1.15		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	1	1	2	0	0	10	14	0.02	0.06		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	3	12	35	8	0	364	425	0.06	0.65		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	3	3	0.07	0.81		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	17	47	93	32	8	182	383	0.13	0.06		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	27	137	209	67	13	678	1,138	0.14	0.12		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	5	4	2	1	32	44	0.09	0.33		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	17	64	335	684	177	24	3,487	4,788	0.09	0.48		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	3	13	33	5	2	219	276	0.06	0.53		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	2	1	0	18	22	0.06	0.53		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	2	1	0	9	12	0.04	0.93		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	1	8	20	4	0	196	229	0.05	1.23		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	4	4	1	55	65	0.04	1.18		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	1	0	2	1	0	31	37	0.04	1.02		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	1	0	0	12	13	0.07	1.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	10	65	232	69	10	2,123	2,510	0.03	1.17		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	3	9	2	0	32	46	0.01	0.08		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	2	3	26	98	61	8	868	1,066	0.02	0.35		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	3	3	0	1	13	21	0.10	0.08		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	2	6	16	8	5	56	94	0.12	0.13		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	1	3	2	0	14	20	0.04	0.23		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	4	20	102	266	117	20	1,314	1,843	0.05	0.38		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	3	9	28	22	0	173	236	0.02	0.24		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	1	5	0	1	14	21	0.01	0.16		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	4	26	66	28	9	502	635	0.03	0.75		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	3	6	20	10	1	178	219	0.02	0.50		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	2	13	12	0	117	144	0.01	0.39		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	1	6	1	0	49	57	0.01	0.25		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DISTRACTED

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----						ACC TOTAL	ACCIDENT RATE INTENSITY				
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	13	25	120	176	63	7	449	853	0.02	0.41		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	6	29	43	19	5	87	189	0.02	0.99		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	3	0	2	0	23	28	0.04	0.11		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	4	17	50	133	48	7	208	467	0.07	0.72		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	3	1	0	0	5	0.11	1.34		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	11	52	71	20	7	156	321	0.11	0.05		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	14	31	137	259	88	25	514	1,068	0.13	0.11		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	1	5	16	2	2	22	49	0.11	0.37		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	62	153	778	1,406	469	67	2,647	5,582	0.11	0.56		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	6	12	53	118	44	14	283	530	0.12	1.01		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	3	4	10	4	0	25	46	0.12	1.12		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	3	10	14	8	2	30	68	0.24	5.28		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	3	13	67	147	70	4	257	561	0.13	3.02		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	1	21	62	27	2	138	252	0.17	4.55		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	4	11	25	9	3	52	104	0.12	2.87		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	1	2	4	1	0	13	22	0.12	2.75		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	30	74	415	906	464	66	2,141	4,096	0.04	1.91		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	3	38	85	54	4	218	404	0.08	0.68		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	34	146	1,036	3,137	2,541	204	6,184	13,282	0.25	4.40		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	2	6	5	1	23	39	0.18	0.14		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	2	20	43	25	5	118	214	0.27	0.30		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	7	13	13	0	37	70	0.15	0.82		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	31	139	685	1,643	1,049	111	3,780	7,438	0.19	1.53		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	8	54	277	729	511	57	1,943	3,579	0.33	3.59		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	3	50	124	113	14	248	552	0.34	4.12		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	14	58	417	1,330	905	67	2,851	5,642	0.27	6.62		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	11	24	271	862	601	44	1,873	3,686	0.33	8.34		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	5	31	278	878	680	74	1,890	3,836	0.39	10.34		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	4	27	181	521	362	32	967	2,094	0.36	9.34		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRINKING DRIVER

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	31	40	106	118	34	11	218	558	0.01	0.27
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	7	10	15	22	9	3	52	118	0.01	0.62
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	1	2	6	2	1	12	26	0.04	0.10
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	23	28	73	96	26	13	149	408	0.06	0.63
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	1	3	0.07	0.81
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	34	71	133	171	41	33	273	756	0.26	0.13
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	119	171	370	510	189	55	795	2,209	0.27	0.23
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	3	5	13	6	2	21	50	0.11	0.37
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	383	582	1,195	1,531	610	143	2,376	6,820	0.13	0.68
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	24	31	72	108	31	12	178	456	0.10	0.87
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	3	6	6	1	1	21	39	0.10	0.95
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	3	4	2	0	13	24	0.08	1.86
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	12	21	36	57	22	3	78	229	0.05	1.23
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	5	9	19	5	4	33	77	0.05	1.39
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	3	9	14	0	3	22	52	0.06	1.43
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	3	0	1	1	2	0	5	12	0.07	1.50
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	98	167	450	677	428	79	1,336	3,235	0.03	1.51
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	11	14	39	69	56	10	165	364	0.07	0.62
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	160	300	637	1,134	1,013	150	2,403	5,797	0.11	1.92
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	8	8	9	4	2	36	67	0.31	0.24
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	6	27	54	59	48	9	136	339	0.43	0.47
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	4	3	10	26	7	0	37	87	0.19	1.02
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	170	370	753	1,220	678	129	2,464	5,784	0.15	1.19
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	32	93	244	397	296	80	1,090	2,232	0.20	2.24
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	6	10	35	74	61	16	161	363	0.22	2.71
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	39	107	220	366	244	33	790	1,799	0.09	2.11
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	25	53	138	256	201	30	578	1,281	0.12	2.90
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	28	53	127	247	213	23	640	1,331	0.14	3.59
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	10	40	84	179	127	35	393	868	0.15	3.87

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 16YR

							-----ACCIDENT COUNTS BY SEVERITY-----											
				MILLION	VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	2	0	6	10	1	1	31	51	0.00	0.02		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	1	0	3	2	0	2	9	0.00	0.05		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	2	2	0.00	0.01		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	4	10	2	1	29	46	0.01	0.07		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	1	0	0	1	2	0.05	0.54		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	5	22	22	6	1	52	112	0.04	0.02		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	3	13	52	79	22	2	204	375	0.05	0.04		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	1	5	0	0	1	7	0.02	0.05		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	14	24	138	228	67	8	542	1,021	0.02	0.10		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	2	12	23	6	0	35	78	0.02	0.15		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	1	3	0	5	9	0.02	0.22		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	1	3	0	1	5	0.02	0.39		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	1	6	8	3	3	23	44	0.01	0.24		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	2	2	4	0	9	17	0.01	0.31		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	0	3	0	0	2	6	0.01	0.17		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	0	0	0	2	3	0.02	0.38		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	2	18	49	25	6	154	254	0.00	0.12		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	3	6	2	1	20	32	0.01	0.05		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	1	19	84	267	189	18	545	1,123	0.02	0.37		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	0	1	1	0	6	9	0.04	0.03		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	4	10	4	2	36	56	0.07	0.08		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	3	2	0	0	10	15	0.03	0.18		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	3	24	106	245	150	17	725	1,270	0.03	0.26		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	4	29	57	43	5	238	376	0.03	0.38		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	6	11	6	2	20	45	0.03	0.34		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	2	6	37	126	67	7	300	545	0.03	0.64		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	1	18	58	40	7	130	254	0.02	0.58		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	3	16	64	40	2	126	251	0.03	0.68		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	6	29	18	2	85	140	0.02	0.63		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 17YR

							-----ACCIDENT COUNTS BY SEVERITY-----										
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC		ACCIDENT	
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	6	16	33	8	3	83	149	0.00	0.07	
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	2	0	6	11	3	0	16	38	0.00	0.20	
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	2	2	0	0	7	11	0.02	0.04	
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	2	6	23	28	18	0	74	151	0.02	0.23	
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	1	0	0	2	3	0.07	0.81	
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	2	6	25	66	12	0	118	229	0.08	0.04	
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	12	23	106	209	50	13	390	803	0.10	0.08	
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	0	3	3	3	0	13	24	0.05	0.18	
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	27	65	310	650	183	29	1,436	2,700	0.05	0.27	
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	7	23	43	12	0	109	195	0.04	0.37	
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	1	3	3	0	1	9	0.02	0.22	
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	3	3	0	17	25	0.09	1.94	
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	2	6	17	28	13	1	75	142	0.03	0.77	
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	2	6	13	6	1	32	60	0.04	1.08	
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	1	6	4	2	0	8	22	0.03	0.61	
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	2	1	0	5	10	0.05	1.25	
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	5	9	68	179	99	21	474	855	0.01	0.40	
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	1	4	13	5	1	50	74	0.01	0.13	
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	11	42	216	658	496	59	1,585	3,067	0.06	1.02	
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	4	9	4	1	26	45	0.21	0.16	
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	4	26	17	9	3	74	133	0.17	0.18	
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	4	3	4	0	16	29	0.06	0.34	
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	12	57	261	641	369	40	1,936	3,316	0.09	0.68	
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	10	66	173	143	23	575	994	0.09	1.00	
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	2	8	26	19	2	71	128	0.08	0.96	
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	2	20	112	325	206	23	825	1,513	0.07	1.77	
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	2	4	53	173	131	12	352	727	0.07	1.65	
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	7	53	138	111	8	347	664	0.07	1.79	
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	5	29	75	60	7	184	360	0.06	1.61	

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 18YR

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	5	52	83	19	7	246	413	0.01	0.20
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	6	18	4	1	48	78	0.01	0.41
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	2	3	0	2	11	18	0.03	0.07
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	7	5	29	35	14	2	128	220	0.03	0.34
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	3	3	0.07	0.81
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	9	29	60	19	7	147	275	0.10	0.05
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	10	22	112	194	72	11	500	921	0.11	0.10
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	2	9	3	0	18	34	0.07	0.25
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	47	104	405	768	225	33	1,727	3,309	0.06	0.33
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	5	21	43	20	3	125	218	0.05	0.42
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	2	1	0	15	18	0.05	0.44
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	2	3	0	12	19	0.07	1.48
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	3	8	21	50	18	1	104	205	0.05	1.10
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	2	5	11	5	1	43	67	0.04	1.21
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	1	4	11	2	1	16	36	0.04	0.99
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	1	0	0	3	6	0.03	0.75
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	10	19	156	370	198	37	990	1,780	0.02	0.83
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	2	13	18	18	4	108	164	0.03	0.28
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	14	65	332	882	714	67	2,043	4,117	0.08	1.36
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	3	6	4	0	18	33	0.15	0.12
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	2	16	27	13	1	73	132	0.17	0.18
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	2	5	3	0	28	38	0.08	0.45
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	20	68	279	691	363	44	1,894	3,359	0.09	0.69
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	19	102	258	151	16	569	1,119	0.10	1.12
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	2	11	34	28	0	86	162	0.10	1.21
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	6	21	108	357	208	16	946	1,662	0.08	1.95
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	4	5	68	200	125	15	425	842	0.08	1.91
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	7	59	179	138	14	442	839	0.09	2.26
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	5	38	132	78	11	267	531	0.09	2.37

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 19YR

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	11	10	75	122	27	7	352	604	0.02	0.29
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	4	9	24	3	3	64	107	0.01	0.56
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	4	0	0	12	16	0.02	0.06
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	10	41	70	22	1	162	309	0.04	0.48
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	2	0	0	6	8	0.18	2.15
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	5	7	34	48	9	4	116	223	0.08	0.04
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	23	91	170	55	13	416	775	0.09	0.08
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	3	6	2	2	21	35	0.08	0.26
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	47	89	356	724	247	43	1,780	3,286	0.06	0.33
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	2	4	32	55	15	8	108	224	0.05	0.43
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	2	6	1	0	11	22	0.06	0.53
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	4	0	0	16	21	0.07	1.63
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	2	8	15	36	23	2	108	194	0.05	1.05
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	0	8	16	13	3	33	75	0.05	1.36
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	6	9	2	1	22	41	0.05	1.13
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	2	0	0	6	10	0.05	1.25
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	18	31	196	480	276	43	1,345	2,389	0.02	1.12
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	2	21	43	16	4	110	198	0.04	0.33
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	29	73	408	1,009	800	83	2,213	4,615	0.09	1.53
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	2	4	1	1	14	23	0.11	0.08
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	3	6	23	9	2	59	103	0.13	0.14
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	2	9	4	0	17	32	0.07	0.37
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	20	56	233	647	362	37	1,753	3,108	0.08	0.64
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	21	92	211	159	23	566	1,074	0.10	1.08
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	4	20	45	28	8	83	188	0.12	1.40
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	8	27	108	330	248	18	829	1,568	0.08	1.84
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	4	13	60	210	149	11	512	959	0.09	2.17
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	6	12	78	200	161	17	490	964	0.10	2.60
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	1	6	51	139	121	13	255	586	0.10	2.62

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 20YR

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	7	15	71	135	31	6	460	725	0.02	0.35		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	13	33	6	2	67	122	0.01	0.64		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	2	4	0	1	13	20	0.03	0.08		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	4	7	25	69	18	2	145	270	0.04	0.42		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	4	0	0	0	4	0.09	1.08		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	7	23	61	13	3	110	217	0.08	0.04		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	8	27	78	136	41	16	348	654	0.08	0.07		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	1	3	3	1	15	25	0.05	0.19		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	53	88	425	715	243	59	1,535	3,118	0.06	0.31		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	7	18	47	15	3	97	188	0.04	0.36		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	2	1	2	12	18	0.05	0.44		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	0	6	2	0	12	21	0.07	1.63		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	6	6	17	40	18	5	111	203	0.05	1.09		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	2	10	19	6	0	40	77	0.05	1.39		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	2	6	7	2	0	26	43	0.05	1.19		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	3	0	0	3	7	0.04	0.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	13	39	238	541	311	63	1,527	2,732	0.03	1.28		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	3	11	49	29	5	111	208	0.04	0.35		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	18	77	398	1,142	958	98	2,265	4,956	0.09	1.64		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	1	1	2	2	16	23	0.11	0.08		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	7	10	15	8	1	56	97	0.12	0.13		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	1	10	3	1	14	30	0.07	0.35		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	20	58	285	629	339	42	1,610	2,983	0.08	0.62		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	6	20	91	212	148	24	558	1,059	0.10	1.06		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	2	15	51	34	7	89	198	0.12	1.48		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	12	19	100	311	231	16	801	1,490	0.07	1.75		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	4	16	61	216	171	21	478	967	0.09	2.19		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	3	13	75	177	166	16	449	899	0.09	2.42		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	1	10	49	156	100	9	262	587	0.10	2.62		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 50 TO 64YR

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	91	114	429	757	255	53	2,491	4,190	0.10	2.00
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	17	20	105	171	49	10	442	814	0.10	4.28
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	5	13	22	6	2	50	100	0.15	0.40
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	39	53	257	428	169	19	904	1,869	0.26	2.87
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	7	8	2	0	15	32	0.73	8.60
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	11	49	133	189	80	18	424	904	0.31	0.15
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	70	131	467	659	288	44	1,371	3,030	0.37	0.31
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	3	6	11	36	13	1	61	131	0.28	0.98
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	396	661	2,304	3,407	1,461	191	7,225	15,645	0.30	1.56
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	38	42	159	331	142	23	673	1,408	0.31	2.70
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	4	23	31	21	1	70	150	0.39	3.64
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	5	13	30	19	1	45	114	0.40	8.85
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	21	41	175	296	147	11	558	1,249	0.29	6.73
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	7	13	60	99	52	10	238	479	0.31	8.66
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	4	12	27	65	21	3	105	237	0.28	6.53
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	1	4	21	7	0	26	60	0.33	7.49
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	140	286	1,532	3,417	2,199	367	8,158	16,099	0.17	7.52
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	13	22	93	265	186	21	580	1,180	0.22	1.99
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	213	675	3,392	8,490	7,682	645	14,591	35,688	0.66	11.81
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	5	8	19	10	0	47	90	0.41	0.33
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	13	63	86	65	13	248	490	0.63	0.68
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	2	5	21	39	28	2	70	167	0.37	1.95
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	155	446	1,753	3,499	2,576	241	7,972	16,642	0.43	3.43
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	49	137	690	1,638	1,336	141	3,266	7,257	0.66	7.27
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	7	18	128	372	304	34	486	1,349	0.84	10.06
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	83	200	911	2,273	1,835	153	4,870	10,325	0.50	12.11
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	53	125	568	1,518	1,318	94	2,910	6,586	0.59	14.90
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	39	91	567	1,578	1,368	119	2,806	6,568	0.67	17.71
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	27	97	421	1,272	990	76	1,623	4,506	0.77	20.11

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 65 TO 74YR

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----								ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO			RATE	INTENSITY
											SEVERITY	IF INJ					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	25	28	145	185	62	6	670	1,121	0.03	0.54	
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	4	8	27	40	18	4	99	200	0.02	1.05	
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	3	4	0	13	21	0.03	0.08	
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	19	24	100	180	70	3	266	662	0.09	1.02	
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	1	2	1	0	6	11	0.25	2.96	
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	13	12	51	62	31	5	120	294	0.10	0.05	
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	27	38	165	221	106	11	440	1,008	0.12	0.10	
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	3	7	16	6	1	20	54	0.12	0.40	
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	183	219	820	1,271	570	62	2,394	5,519	0.10	0.55	
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	11	12	72	128	57	5	227	512	0.11	0.98	
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	1	11	13	6	1	28	62	0.16	1.50	
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	4	4	8	4	0	11	31	0.11	2.41	
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	7	17	63	106	55	10	188	446	0.10	2.40	
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	5	7	28	35	22	0	62	159	0.10	2.87	
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	3	10	27	16	1	49	106	0.12	2.92	
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	2	8	2	0	8	21	0.11	2.62	
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	46	78	408	861	554	93	1,920	3,960	0.04	1.85	
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	6	6	21	69	48	7	157	314	0.06	0.53	
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	110	264	1,169	2,976	2,622	188	4,969	12,298	0.23	4.07	
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	4	7	3	0	18	32	0.15	0.12	
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	7	15	45	30	3	80	181	0.23	0.25	
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	4	10	11	8	2	22	57	0.13	0.67	
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	75	155	742	1,318	1,012	89	2,815	6,206	0.16	1.28	
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	20	44	249	656	507	58	1,250	2,784	0.25	2.79	
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	9	46	144	90	16	183	490	0.30	3.66	
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	31	72	392	911	741	63	1,739	3,949	0.19	4.63	
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	11	43	216	562	477	32	1,104	2,445	0.22	5.53	
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	16	45	219	586	528	41	1,005	2,440	0.25	6.58	
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	5	25	162	468	358	30	610	1,658	0.28	7.40	

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRIVER 75 PLUS

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	10	6	61	77	42	3	233	432	0.01	0.21		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	5	6	12	20	7	0	26	76	0.01	0.40		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	0	0	2	0	0	4	8	0.01	0.03		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	16	13	73	101	41	5	191	440	0.06	0.68		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	2	0	0	0	2	5	0.11	1.34		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	5	7	28	34	15	0	53	142	0.05	0.02		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	25	22	93	142	57	7	239	585	0.07	0.06		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	0	1	0	1	0	9	12	0.03	0.09		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	141	139	558	830	379	41	1,376	3,464	0.07	0.35		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	14	12	46	99	39	4	175	389	0.09	0.74		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	4	10	11	9	2	26	63	0.16	1.53		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	5	8	0	0	8	21	0.07	1.63		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	7	10	42	52	42	4	122	279	0.07	1.50		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	3	12	29	11	1	37	96	0.06	1.74		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	4	8	19	9	1	18	61	0.07	1.68		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	2	5	4	0	3	15	0.08	1.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	29	22	187	298	205	20	694	1,455	0.02	0.68		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	4	7	32	24	4	61	134	0.03	0.23		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	92	163	779	1,870	1,728	118	3,218	7,968	0.15	2.64		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	3	8	2	0	12	25	0.11	0.09		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	8	17	22	17	5	61	131	0.17	0.18		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	5	8	9	0	12	36	0.08	0.42		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	79	125	507	1,013	753	48	1,947	4,472	0.12	0.92		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	21	43	208	491	396	44	900	2,103	0.19	2.11		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	5	10	34	83	64	7	112	315	0.20	2.35		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	27	54	282	581	457	42	1,155	2,598	0.12	3.05		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	27	36	156	451	329	20	715	1,734	0.16	3.92		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	15	25	150	377	326	30	657	1,580	0.16	4.26		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	8	23	83	247	222	25	394	1,002	0.17	4.47		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

DRUG RELATED

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	23	17	49	58	19	1	77	244	0.01	0.12
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	10	11	5	7	0	12	48	0.01	0.25
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	0	1	0	2	4	0.01	0.02
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	19	12	31	32	14	1	41	150	0.02	0.23
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	0	0	0	0	1	0.02	0.27
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	8	10	26	21	15	4	42	126	0.04	0.02
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	24	38	80	96	39	6	128	411	0.05	0.04
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	1	2	1	1	1	5	12	0.03	0.09
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	127	167	328	405	215	32	549	1,823	0.03	0.18
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	15	13	28	44	27	3	56	186	0.04	0.36
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	3	3	2	1	7	16	0.04	0.39
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	3	3	1	0	2	10	0.03	0.78
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	8	11	18	27	8	0	20	92	0.02	0.50
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	5	4	6	13	4	0	12	44	0.03	0.80
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	4	5	6	1	0	7	23	0.03	0.63
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	0	0	1	0	0	0	3	0.02	0.38
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	35	84	182	234	215	35	407	1,192	0.01	0.56
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	4	20	24	25	3	32	110	0.02	0.19
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	80	154	312	504	529	60	694	2,333	0.04	0.77
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	2	6	2	0	7	20	0.09	0.07
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	7	11	11	12	5	28	77	0.10	0.11
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	4	7	4	1	6	24	0.05	0.28
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	68	144	261	382	294	40	595	1,784	0.05	0.37
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	13	44	128	184	153	28	365	915	0.08	0.92
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	5	21	36	42	10	65	182	0.11	1.36
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	34	59	106	171	155	17	235	777	0.04	0.91
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	14	34	81	106	119	13	216	583	0.05	1.32
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	16	36	82	133	127	13	225	632	0.06	1.70
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	11	24	48	103	103	14	125	428	0.07	1.91

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

FATAL

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
TOTAL WIDTH				ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	211	0	0	0	0	0	0	0	211	0.01	0.10	
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	37	0	0	0	0	0	0	0	37	0.00	0.20	
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	0	0	0	0	0	0	0	7	0.01	0.03	
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	115	0	0	0	0	0	0	0	115	0.02	0.18	
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	0	0	0	0	0	0	1	0.02	0.27	
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	84	0	0	0	0	0	0	0	84	0.03	0.01	
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	295	0	0	0	0	0	0	0	295	0.04	0.03	
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	6	0	0	0	0	0	0	0	6	0.01	0.05	
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	1,247	0	0	0	0	0	0	0	1,247	0.02	0.12	
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	91	0	0	0	0	0	0	0	91	0.02	0.17	
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	3	0	0	0	0	0	0	0	3	0.01	0.07	
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	0	0	0	0	0	0	0	1	0.00	0.08	
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	59	0	0	0	0	0	0	0	59	0.01	0.32	
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	21	0	0	0	0	0	0	0	21	0.01	0.38	
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	9	0	0	0	0	0	0	0	9	0.01	0.25	
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	5	0	0	0	0	0	0	0	5	0.03	0.62	
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	388	0	0	0	0	0	0	0	388	0.00	0.18	
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	40	0	0	0	0	0	0	0	40	0.01	0.07	
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	756	0	0	0	0	0	0	0	756	0.01	0.25	
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	0	0	0	0	0	0	0	3	0.01	0.01	
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	16	0	0	0	0	0	0	0	16	0.02	0.02	
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	0	0	0	0	0	0	0	5	0.01	0.06	
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	546	0	0	0	0	0	0	0	546	0.01	0.11	
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	153	0	0	0	0	0	0	0	153	0.01	0.15	
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	31	0	0	0	0	0	0	0	31	0.02	0.23	
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	190	0	0	0	0	0	0	0	190	0.01	0.22	
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	116	0	0	0	0	0	0	0	116	0.01	0.26	
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	117	0	0	0	0	0	0	0	117	0.01	0.32	
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	82	0	0	0	0	0	0	0	82	0.01	0.37	

Pennsylvania Department of Transportation
Center for Highway Safety
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AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

FATAL OR SUSPECTED SERIOUS INJURY

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	211	362	0	0	0	0	0	573	0.01	0.27
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	37	67	0	0	0	0	0	104	0.01	0.55
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	9	0	0	0	0	0	16	0.02	0.06
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	115	171	0	0	0	0	0	286	0.04	0.44
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	1	0	0	0	0	0	2	0.05	0.54
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	84	217	0	0	0	0	0	301	0.10	0.05
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	295	598	0	0	0	0	0	893	0.11	0.09
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	6	15	0	0	0	0	0	21	0.05	0.16
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	1,247	2,343	0	0	0	0	0	3,590	0.07	0.36
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	91	153	0	0	0	0	0	244	0.05	0.47
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	3	22	0	0	0	0	0	25	0.06	0.61
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	15	0	0	0	0	0	16	0.06	1.24
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	59	123	0	0	0	0	0	182	0.04	0.98
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	21	35	0	0	0	0	0	56	0.04	1.01
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	9	27	0	0	0	0	0	36	0.04	0.99
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	5	5	0	0	0	0	0	10	0.05	1.25
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	388	870	0	0	0	0	0	1,258	0.01	0.59
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	40	78	0	0	0	0	0	118	0.02	0.20
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	756	2,069	0	0	0	0	0	2,825	0.05	0.94
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	21	0	0	0	0	0	24	0.11	0.09
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	16	83	0	0	0	0	0	99	0.13	0.14
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	16	0	0	0	0	0	21	0.05	0.25
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	546	1,516	0	0	0	0	0	2,062	0.05	0.43
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	153	508	0	0	0	0	0	661	0.06	0.66
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	31	84	0	0	0	0	0	115	0.07	0.86
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	190	532	0	0	0	0	0	722	0.03	0.85
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	116	344	0	0	0	0	0	460	0.04	1.04
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	117	319	0	0	0	0	0	436	0.04	1.18
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	82	288	0	0	0	0	0	370	0.06	1.65

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

FATIGUE ASLEEP

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	15	23	140	215	58	10	450	911	0.02	0.43		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	3	21	27	10	1	43	106	0.01	0.56		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	3	1	0	3	8	0.01	0.03		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	2	3	20	39	14	1	74	153	0.02	0.24		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	1	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	2	4	16	38	11	0	58	129	0.04	0.02		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	4	12	67	85	36	4	185	393	0.05	0.04		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	1	4	4	0	9	18	0.04	0.13		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	29	72	315	486	200	19	965	2,086	0.04	0.21		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	2	29	44	13	1	86	176	0.04	0.34		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	1	0	1	1	9	13	0.03	0.32		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	3	2	0	5	12	0.04	0.93		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	3	3	15	30	10	2	36	99	0.02	0.53		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	3	6	17	12	1	34	73	0.05	1.32		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	2	3	10	2	0	13	30	0.04	0.83		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	1	0	0	2	4	0.02	0.50		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	5	16	152	229	136	17	558	1,113	0.01	0.52		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	6	13	4	1	31	57	0.01	0.10		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	12	21	122	316	213	26	490	1,200	0.02	0.40		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	1	2	2	0	3	8	0.04	0.03		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	1	4	10	7	1	20	43	0.05	0.06		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	2	2	2	0	5	12	0.03	0.14		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	36	132	247	158	11	498	1,084	0.03	0.22		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	3	9	42	109	68	7	245	483	0.04	0.48		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	3	13	18	14	5	40	93	0.06	0.69		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	5	12	62	122	85	3	259	548	0.03	0.64		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	3	7	54	99	67	6	207	443	0.04	1.00		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	2	7	46	97	62	5	186	405	0.04	1.09		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	1	6	25	59	39	8	108	246	0.04	1.10		

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AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HAZARDOUS TRUCK

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	7	7	11	22	4	1	42	94	0.00	0.05
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	4	5	0	0	9	18	0.00	0.10
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	3	3	0.00	0.01
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	2	4	1	0	10	17	0.00	0.03
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	2	1	1	0	4	8	0.00	0.00
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	1	3	2	0	1	11	18	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	2	0	0	0	0	2	0.00	0.02
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	12	5	11	29	10	2	45	114	0.00	0.01
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	1	0	3	1	0	6	12	0.00	0.02
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	1	1	0.00	0.02
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	1	1	1	0	2	5	0.00	0.03
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	0	1	0	0	1	3	0.00	0.05
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	1	0	0	0	1	0.00	0.03
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	5	7	11	32	13	3	79	151	0.00	0.07
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	1	1	1	0	3	6	0.00	0.01
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	2	5	4	19	12	0	65	107	0.00	0.04
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	0	0	1	0.00	0.00
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	1	0	0	0	1	2	0.00	0.00
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	5	2	7	13	9	1	23	60	0.00	0.01
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	1	2	3	2	0	8	16	0.00	0.02
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	2	2	0.00	0.02
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	2	4	4	7	2	1	16	36	0.00	0.04
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	2	2	3	2	0	5	15	0.00	0.03
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	1	1	2	1	0	12	17	0.00	0.05
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	2	2	0	6	10	0.00	0.05

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HEAD ON / OPP DIR SDSWP

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH	ADT RANGE						FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	10	8	15	20	7	2	38	100	0.00	0.05
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	3	5	2	1	0	11	25	0.00	0.13
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	1	0	0	1	2	0.00	0.01
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	7	18	47	57	23	6	69	227	0.03	0.35
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	2	0	0	0	1	3	0.07	0.81
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	18	39	61	24	3	113	262	0.09	0.04
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	18	45	105	156	50	13	243	630	0.08	0.07
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	3	2	7	2	1	9	26	0.06	0.19
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	230	326	690	841	373	64	1,189	3,713	0.07	0.37
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	18	23	43	80	28	10	111	313	0.07	0.60
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	2	7	5	5	0	12	32	0.08	0.78
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	5	6	4	4	1	9	29	0.10	2.25
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	19	29	51	63	36	5	78	281	0.07	1.51
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	9	5	18	22	8	2	19	83	0.05	1.50
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	4	2	8	12	4	0	14	44	0.05	1.21
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	1	1	5	0	0	7	16	0.09	2.00
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	33	45	64	95	52	14	166	469	0.00	0.22
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	4	6	17	16	9	35	87	0.02	0.15
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	57	168	560	969	910	111	1,458	4,233	0.08	1.40
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	2	7	3	2	23	38	0.17	0.14
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	9	23	28	15	4	56	135	0.17	0.19
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	5	12	9	0	24	52	0.11	0.61
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	79	238	604	933	699	97	1,705	4,355	0.11	0.90
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	14	65	189	344	276	61	719	1,668	0.15	1.67
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	8	39	80	56	18	137	340	0.21	2.54
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	46	97	258	388	337	43	632	1,801	0.09	2.11
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	28	61	147	274	261	32	494	1,297	0.12	2.93
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	19	48	146	255	211	29	470	1,178	0.12	3.18
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	9	34	118	215	166	24	249	815	0.14	3.64

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT BARRIER

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	5	16	88	177	58	15	526	885	0.02	0.42
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	11	58	108	22	8	283	493	0.06	2.59
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	2	9	11	4	0	33	61	0.09	0.24
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	6	9	34	90	25	4	251	419	0.06	0.64
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	2	2	2	0	0	4	10	0.00	0.00
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	2	3	9	3	1	22	40	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	2	11	34	34	17	6	95	199	0.00	0.02
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	0	4	7	2	2	10	26	0.01	0.05
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	1	0	0	2	4	0.01	0.10
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	1	0	0	0	0	2	0.01	0.16
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	1	1	1	0	1	4	0.00	0.02
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	1	0	0	2	3	0.00	0.05
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	1	0	0	1	2	0.01	0.25
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	73	189	1,062	2,368	1,507	382	5,951	11,532	0.12	5.39
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	14	13	69	119	88	35	494	832	0.16	1.41
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	13	58	188	412	303	76	1,167	2,217	0.04	0.73
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	0	1	0	1	0	0	4	0.02	0.02
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	2	4	3	0	15	24	0.03	0.03
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	1	0	2	3	2	0	4	12	0.03	0.14
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	16	25	49	30	8	116	244	0.01	0.05
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	3	19	18	23	2	69	135	0.01	0.14
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	2	2	0	5	2	9	20	0.01	0.15
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	3	8	23	9	5	66	114	0.01	0.13
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	1	10	15	10	0	44	80	0.01	0.18
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	2	4	20	12	7	65	110	0.01	0.30
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	1	2	3	6	3	23	38	0.01	0.17

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT BRIDGE

			TOTAL WIDTH	ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	3	8	30	59	19	6	193	318	0.01	0.15
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	0	4	8	3	0	20	36	0.00	0.19
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	1	0	1	2	5	0.01	0.02
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	1	2	2	11	1	1	18	36	0.01	0.06
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	4	13	3	1	21	42	0.01	0.01
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	3	4	10	23	14	3	66	123	0.01	0.01
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	1	1	0	0	6	8	0.02	0.06
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	8	11	44	79	18	8	183	351	0.01	0.04
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	2	3	6	2	0	12	25	0.01	0.05
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	0	1	0	0	1	3	0.01	0.23
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	2	1	0	8	11	0.00	0.06
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	1	0	0	1	3	0.00	0.05
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	0	0	0	0	0	1	0.01	0.13
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	17	20	42	106	60	15	282	542	0.01	0.25
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	5	8	5	1	29	50	0.01	0.08
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	7	8	27	35	22	10	100	209	0.00	0.07
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	0	0	0	0	0	2	4	0.02	0.02
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	1	1	3	4	1	16	26	0.03	0.04
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	1	1	1	1	1	0	5	10	0.02	0.12
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	3	11	34	60	34	12	187	341	0.01	0.07
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	4	13	17	13	4	55	108	0.01	0.11
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	2	1	1	1	2	4	11	0.01	0.08
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	2	1	5	16	9	2	67	102	0.00	0.12
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	2	4	8	6	0	24	45	0.00	0.10
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	4	4	8	1	18	35	0.00	0.09
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	2	1	4	5	1	1	6	20	0.00	0.09

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT DEER

							-----ACCIDENT COUNTS BY SEVERITY-----											
				MILLION	VEHICLE	LENGTH							-----UNKNOWN-----		ACC	ACCIDENT		
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	5	69	155	26	10	2,462	2,727	0.07	1.30		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	4	17	3	2	202	229	0.03	1.21		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	1	0	1	0	0	9	11	0.02	0.04		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	2	12	23	7	0	392	439	0.06	0.68		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	6	6	0.14	1.61		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	2	11	24	26	9	1	66	139	0.05	0.02		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	6	16	61	55	32	3	334	507	0.06	0.05		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	1	3	1	1	17	23	0.05	0.17		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	15	47	214	343	109	13	3,136	3,877	0.07	0.39		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	2	11	26	4	1	218	263	0.06	0.50		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	2	0	0	19	22	0.06	0.53		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	2	0	0	8	11	0.04	0.85		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	1	8	17	1	0	202	229	0.05	1.23		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	3	5	1	65	75	0.05	1.36		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	0	0	2	1	0	35	40	0.05	1.10		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	12	12	0.07	1.50		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	7	52	190	55	10	2,281	2,596	0.03	1.21		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	5	1	0	27	33	0.01	0.06		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	2	1	24	81	44	8	935	1,095	0.02	0.36		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	0	4	5	0.02	0.02		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	1	5	5	3	1	23	38	0.05	0.05		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	4	4	0.01	0.05		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	17	61	131	59	6	968	1,244	0.03	0.26		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	1	6	17	10	0	149	184	0.02	0.18		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	2	3	0	1	16	22	0.01	0.16		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	2	22	46	16	6	487	579	0.03	0.68		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	2	5	15	9	0	175	207	0.02	0.47		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	2	12	7	0	109	130	0.01	0.35		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	1	5	1	0	46	53	0.01	0.24		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT EMBANKMENT

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	34	85	320	523	186	23	1,138	2,309	0.06	1.10
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	5	32	65	32	2	118	257	0.03	1.35
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	0	10	6	3	2	26	49	0.07	0.20
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	12	15	72	120	43	8	242	512	0.07	0.79
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	1	0	0	0	1	0.02	0.27
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	9	29	115	196	61	24	410	844	0.29	0.14
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	45	91	358	634	214	73	1,374	2,789	0.34	0.29
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	4	10	17	5	2	64	103	0.22	0.77
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	179	290	1,160	2,008	671	196	4,174	8,678	0.16	0.86
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	8	14	48	111	34	7	205	427	0.10	0.82
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	1	1	5	2	0	7	17	0.04	0.41
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	4	8	1	0	15	30	0.10	2.33
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	6	7	27	45	28	3	111	227	0.05	1.22
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	1	6	22	4	2	38	74	0.05	1.34
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	1	5	15	3	1	27	54	0.06	1.49
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	4	1	1	1	7	0.04	0.87
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	43	71	313	472	251	50	1,026	2,227	0.02	1.04
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	10	20	37	19	7	102	197	0.04	0.33
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	20	49	141	250	212	37	570	1,279	0.02	0.42
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	10	12	10	1	30	64	0.29	0.23
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	9	40	45	31	12	152	290	0.37	0.40
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	1	0	5	16	0	5	28	55	0.12	0.64
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	45	126	444	909	513	105	2,283	4,425	0.12	0.91
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	18	55	86	60	13	218	454	0.04	0.46
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	0	4	7	6	1	18	37	0.02	0.28
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	10	30	89	182	133	21	419	884	0.04	1.04
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	2	9	34	51	41	8	125	270	0.02	0.61
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	3	10	15	43	37	8	92	208	0.02	0.56
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	2	4	11	21	13	2	37	90	0.02	0.40

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT FIXED OBJECT

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----								ACC TOTAL	ACCIDENT RATE INTENSITY		
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	90	189	801	1,423	499	96	4,839	7,937	0.20	3.78		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	13	17	94	208	61	8	639	1,040	0.12	5.47		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	5	3	29	34	9	5	141	226	0.33	0.90		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	33	55	191	369	152	33	1,109	1,942	0.27	2.99		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	3	3	0	0	9	16	0.36	4.30		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	55	124	406	747	213	137	1,725	3,407	1.18	0.57		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	177	349	1,345	2,220	771	332	5,454	10,648	1.29	1.10		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	7	34	64	31	10	210	358	0.77	2.66		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	540	1,093	4,064	7,025	2,511	806	17,038	33,077	0.63	3.29		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	34	59	200	345	145	41	910	1,734	0.39	3.32		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	5	7	17	4	2	60	96	0.25	2.33		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	13	23	7	0	66	112	0.39	8.70		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	16	29	91	191	67	18	443	855	0.20	4.61		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	8	26	54	26	7	159	282	0.19	5.10		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	3	13	31	7	4	93	152	0.18	4.19		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	2	3	9	4	1	12	32	0.17	4.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	137	320	1,585	3,317	1,948	462	11,045	18,814	0.20	8.79		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	21	38	141	281	185	75	1,189	1,930	0.36	3.26		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	168	344	1,065	2,051	1,635	478	7,061	12,802	0.24	4.24		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	13	28	44	26	9	185	307	1.41	1.12		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	8	42	136	200	134	44	714	1,278	1.63	1.77		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	9	22	64	25	11	165	301	0.66	3.52		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	222	576	1,923	3,918	2,239	664	12,511	22,053	0.57	4.55		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	34	124	441	717	602	211	2,626	4,755	0.43	4.76		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	9	17	51	104	90	33	285	589	0.36	4.39		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	33	131	402	841	624	147	2,928	5,106	0.24	5.99		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	22	64	251	524	400	96	1,688	3,045	0.27	6.89		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	31	53	174	406	356	101	1,404	2,525	0.26	6.81		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	8	41	103	247	190	71	679	1,339	0.23	5.98		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT GDRAIL END

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH	ADT RANGE						FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO		RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	11	9	53	67	28	9	240	417	0.01	0.20
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	1	5	6	3	1	24	43	0.01	0.23
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	0	0	3	1	0	6	11	0.02	0.04
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	2	3	7	21	9	2	45	89	0.01	0.14
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	1	2	4	2	0	15	24	0.01	0.00
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	2	1	11	17	10	8	75	124	0.02	0.01
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	1	1	5	7	0.02	0.05
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	20	29	95	202	61	22	542	971	0.02	0.10
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	2	3	8	15	3	2	27	60	0.01	0.12
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	3	3	0.01	0.07
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	2	0	0	3	5	0.02	0.39
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	1	1	4	9	2	1	17	35	0.01	0.19
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	0	1	0	0	2	10	14	0.01	0.25
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	1	2	0	0	5	8	0.01	0.22
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	1	1	0.01	0.13
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	10	32	95	234	123	33	628	1,155	0.01	0.54
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	4	7	19	16	3	53	103	0.02	0.17
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	7	15	35	85	60	12	271	485	0.01	0.16
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	2	1	6	9	0.04	0.03
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	5	2	2	0	10	19	0.02	0.03
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	0	0	7	8	0.02	0.09
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	5	14	34	65	52	15	288	473	0.01	0.10
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	2	6	11	5	2	36	64	0.01	0.06
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	1	2	0	1	2	6	0.00	0.05
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	2	2	7	23	14	3	87	138	0.01	0.16
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	0	11	12	8	1	38	71	0.01	0.16
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	1	2	8	2	1	18	32	0.00	0.09
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	1	2	1	1	9	14	0.00	0.06

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT GUIDERAIL

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----						ACC TOTAL	ACCIDENT RATE INTENSITY				
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	56	78	286	579	180	62	2,345	3,586	0.09	1.71		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	5	9	34	62	20	9	234	373	0.04	1.96		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	2	12	11	3	1	50	80	0.12	0.32		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	12	19	69	125	54	13	368	660	0.09	1.02		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	2	1	0	0	3	6	0.14	1.61		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	10	21	48	13	11	104	208	0.07	0.04		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	27	46	124	162	57	36	474	926	0.11	0.10		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	5	3	3	2	30	45	0.10	0.34		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	139	190	595	952	327	122	2,373	4,698	0.09	0.47		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	18	12	38	59	28	11	168	334	0.07	0.64		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	0	2	5	2	0	9	19	0.05	0.46		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	5	3	1	0	11	23	0.08	1.79		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	8	7	19	28	13	2	76	153	0.04	0.82		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	1	6	8	4	0	16	36	0.02	0.65		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	0	7	9	1	0	21	40	0.05	1.10		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	0	1	1	0	2	5	0.03	0.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	76	159	662	1,259	780	199	4,354	7,489	0.08	3.50		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	5	15	44	108	58	25	342	597	0.11	1.01		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	38	63	198	392	275	52	1,106	2,124	0.04	0.70		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	2	4	4	1	16	29	0.13	0.11		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	2	17	17	12	0	66	114	0.15	0.16		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	1	0	2	5	5	1	16	30	0.07	0.35		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	30	79	213	406	209	65	1,251	2,253	0.06	0.47		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	14	26	57	44	17	188	350	0.03	0.35		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	1	7	9	4	2	25	50	0.03	0.37		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	11	22	62	119	85	15	317	631	0.03	0.74		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	5	14	20	60	24	8	134	265	0.02	0.60		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	4	4	22	31	28	6	103	198	0.02	0.53		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	2	13	20	14	3	47	99	0.02	0.44		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT POLE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO	ACC TOTAL	ACCIDENT RATE INTENSITY			
		TOTAL WIDTH	ADT RANGE								SEVERITY	IF INJ						
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	3	1	0	7	11	0.00	0.01		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	3	2	1	0	1	8	0.00	0.04		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	0	0	0	4	5	0.01	0.02		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	4	7	28	27	14	1	59	140	0.02	0.22		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	0	0	0	3	4	0.09	1.08		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	9	15	52	124	28	22	293	543	0.19	0.09		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	25	50	235	388	137	56	1,031	1,922	0.23	0.20		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	3	3	12	9	1	35	64	0.14	0.48		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	129	283	1,040	1,785	658	187	3,973	8,055	0.15	0.80		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	7	16	62	83	40	10	183	401	0.09	0.77		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	2	5	1	0	6	16	0.04	0.39		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	4	7	2	0	20	34	0.12	2.64		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	8	9	32	74	24	10	144	301	0.07	1.62		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	5	14	13	12	1	43	89	0.06	1.61		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	2	4	4	1	9	20	0.02	0.55		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	1	0	0	0	3	0.02	0.38		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	2	9	24	34	24	6	64	163	0.00	0.08		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	2	5	11	6	3	26	55	0.01	0.09		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	60	146	416	655	623	137	1,413	3,450	0.06	1.14		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	5	6	14	6	2	40	73	0.33	0.27		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	11	34	55	40	19	173	335	0.43	0.46		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	2	4	5	22	6	6	36	81	0.18	0.95		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	79	210	671	1,459	849	195	3,669	7,132	0.19	1.47		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	15	57	195	367	326	101	1,018	2,079	0.19	2.08		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	4	6	21	40	42	15	80	208	0.13	1.55		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	18	70	184	388	278	48	878	1,864	0.09	2.19		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	13	31	138	294	266	51	654	1,447	0.13	3.27		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	16	33	106	229	183	37	530	1,134	0.12	3.06		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	5	26	59	120	111	32	235	588	0.10	2.62		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HIT TREE / SHRUB

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	33	51	164	209	98	19	486	1,060	0.03	0.51		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	4	7	17	25	12	3	40	108	0.01	0.57		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	3	1	1	2	8	15	0.02	0.06		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	13	7	25	46	27	4	81	203	0.03	0.31		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	2	2	0.05	0.54		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	41	76	176	317	94	57	680	1,441	0.50	0.24		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	118	179	588	843	347	127	1,756	3,958	0.48	0.41		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	1	15	25	13	4	49	108	0.23	0.80		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	329	488	1,335	2,031	886	226	3,875	9,170	0.17	0.91		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	14	19	48	62	37	9	146	335	0.07	0.64		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	3	2	0	0	5	11	0.03	0.27		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	7	4	0	18	30	0.10	2.33		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	8	8	23	42	14	3	90	188	0.04	1.01		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	3	13	6	7	3	17	50	0.03	0.90		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	1	6	3	1	13	25	0.03	0.69		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	2	1	3	0	0	7	0.04	0.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	23	30	124	165	122	31	374	869	0.01	0.41		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	3	7	20	18	3	54	107	0.02	0.18		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	47	65	209	323	332	60	635	1,671	0.03	0.55		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	8	13	16	7	2	57	103	0.47	0.38		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	5	19	48	56	48	12	189	377	0.48	0.52		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	1	3	6	21	8	0	44	83	0.18	0.97		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	132	231	688	1,089	689	196	2,864	5,889	0.15	1.22		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	12	34	113	147	133	28	370	837	0.08	0.84		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	3	15	28	20	4	48	121	0.07	0.90		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	22	42	131	223	212	31	488	1,149	0.06	1.35		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	12	18	59	96	88	11	257	541	0.05	1.22		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	9	16	34	66	75	16	167	383	0.04	1.03		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	2	8	31	54	49	8	87	239	0.04	1.07		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HORSE AND BUGGY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	1	0	0	0	0	1	0.00	0.00		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	2	2	2	0	0	1	7	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	2	0	10	8	1	0	6	27	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	5	17	34	38	14	1	29	138	0.00	0.01		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	1	3	1	0	0	1	6	0.00	0.01		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	0	0	1	0	0	2	0.01	0.16		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	2	3	3	1	0	0	9	0.00	0.05		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	2	0	0	0	3	0.00	0.05		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	0	0	0	0	0	1	0.01	0.13		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	1	0	0	1	0.00	0.00		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	1	1	1	0	2	5	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	6	6	8	4	0	9	33	0.00	0.01		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	0	1	3	0	0	4	8	0.00	0.01		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	2	3	2	1	0	3	12	0.00	0.01		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	0	0	1	0	0	1	3	0.00	0.01		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	0	0	0	2	2	0.00	0.01		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	1	0	0	0	0	1	2	0.00	0.01		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

HVY TRUCK RELATED

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	85	110	378	623	177	79	1,895	3,347	0.08	1.60		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	17	15	99	127	46	19	363	686	0.08	3.61		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	6	10	24	6	0	44	91	0.13	0.36		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	31	28	91	113	48	11	351	673	0.09	1.04		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	3	5	0.11	1.34		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	3	6	18	25	6	2	90	150	0.05	0.03		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	18	14	63	112	34	8	251	500	0.06	0.05		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	5	3	3	1	10	22	0.05	0.16		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	141	121	446	691	256	48	1,577	3,280	0.06	0.33		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	13	14	40	61	36	8	188	360	0.08	0.69		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	3	3	8	3	0	14	33	0.08	0.80		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	3	6	2	0	15	27	0.09	2.10		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	11	32	51	30	2	125	260	0.06	1.40		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	9	8	26	32	16	2	81	174	0.11	3.15		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	4	1	5	13	6	1	22	52	0.06	1.43		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	2	1	4	2	0	11	21	0.11	2.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	112	144	662	1,222	710	195	3,285	6,331	0.07	2.96		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	3	7	36	73	27	10	174	330	0.06	0.56		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	61	103	404	865	828	80	2,148	4,489	0.08	1.49		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	2	2	2	1	9	18	0.08	0.07		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	3	3	5	7	3	29	50	0.06	0.07		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	3	4	1	0	9	17	0.04	0.20		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	47	54	180	357	226	36	945	1,845	0.05	0.38		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	6	27	52	144	100	16	376	721	0.07	0.72		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	3	10	29	21	5	60	129	0.08	0.96		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	25	46	103	218	147	21	533	1,093	0.05	1.28		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	21	21	61	161	90	13	370	737	0.07	1.67		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	16	12	58	121	109	15	342	673	0.07	1.81		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	6	13	35	106	78	10	219	467	0.08	2.08		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

ICY ROAD

				ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	12	15	112	315	83	17	1,010	1,564	0.04	0.75
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	2	10	29	4	5	73	124	0.01	0.65
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	2	1	0	19	22	0.03	0.09
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	2	26	63	20	3	205	322	0.05	0.50
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	1	3	0.07	0.81
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	5	31	61	16	7	223	347	0.12	0.06
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	6	18	93	219	66	23	696	1,121	0.14	0.12
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	0	9	2	1	27	41	0.09	0.31
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	38	67	411	937	275	50	2,529	4,307	0.08	0.43
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	4	6	25	56	13	3	135	242	0.05	0.46
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	4	1	0	6	11	0.03	0.27
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	4	0	0	10	14	0.05	1.09
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	2	1	20	27	12	1	78	141	0.03	0.76
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	5	7	2	1	18	33	0.02	0.60
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	3	1	1	0	9	14	0.02	0.39
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	3	0	0	1	4	0.02	0.50
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	12	26	141	345	149	30	1,252	1,955	0.02	0.91
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	8	49	20	3	158	238	0.04	0.40
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	4	26	99	328	283	36	1,013	1,789	0.03	0.59
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	2	5	3	2	24	36	0.16	0.13
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	3	10	14	14	2	102	145	0.19	0.20
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	4	4	2	0	16	27	0.06	0.32
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	6	34	163	476	270	37	1,747	2,733	0.07	0.56
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	3	33	98	76	13	391	616	0.06	0.62
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	1	5	15	13	4	40	79	0.05	0.59
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	6	33	115	82	8	359	604	0.03	0.71
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	2	3	17	46	30	5	194	297	0.03	0.67
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	3	5	13	41	43	6	164	275	0.03	0.74
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	2	12	41	19	6	75	155	0.03	0.69

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

ILLEGAL DRUG RELATED

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	18	9	30	25	7	1	31	121	0.00	0.06		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	6	6	3	4	0	7	27	0.00	0.14		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	1	1	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	6	5	16	12	8	0	16	63	0.01	0.10		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	3	4	8	8	4	0	16	43	0.01	0.01		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	9	17	30	32	13	2	35	138	0.02	0.01		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	1	2	0	0	0	5	9	0.02	0.07		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	56	76	135	154	84	10	207	722	0.01	0.07		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	7	10	11	18	16	0	22	84	0.02	0.16		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	3	0	1	2	7	0.02	0.17		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	2	0	0	0	3	0.01	0.23		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	5	5	8	11	4	0	9	42	0.01	0.23		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	4	3	3	6	3	0	5	24	0.02	0.43		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	4	3	0	0	5	13	0.02	0.36		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	0	0	0	0	0	0	2	0.01	0.25		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	11	38	81	118	107	15	205	575	0.01	0.27		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	3	4	9	9	2	16	45	0.01	0.08		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	34	84	154	210	239	27	303	1,051	0.02	0.35		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	1	3	1	0	1	7	0.03	0.03		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	2	6	4	6	0	10	29	0.04	0.04		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	1	2	1	0	3	9	0.02	0.11		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	22	70	116	146	112	14	218	698	0.02	0.14		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	3	19	53	81	71	13	145	385	0.04	0.39		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	4	12	19	22	6	26	92	0.06	0.69		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	14	34	31	66	61	8	88	302	0.01	0.35		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	6	15	46	43	52	4	87	253	0.02	0.57		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	9	17	42	55	52	7	101	283	0.03	0.76		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	8	13	25	67	57	4	57	231	0.04	1.03		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

ILLUMINATION - DARK

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----									
		TOTAL WIDTH	ADT RANGE										-----UNKNOWN-----		ACC TOTAL	ACCIDENT RATE INTENSITY
							FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO			
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	97	141	540	985	288	123	4,559	6,733	0.17	3.21
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	20	17	105	183	52	25	597	999	0.12	5.26
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	4	5	10	29	8	4	90	150	0.22	0.60
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	49	59	192	353	141	37	1,114	1,945	0.27	2.99
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	5	7	1	0	19	32	0.73	8.60
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	31	106	237	444	123	113	1,055	2,109	0.73	0.35
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	125	235	753	1,208	398	256	3,240	6,215	0.75	0.64
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	3	19	33	15	10	122	202	0.43	1.50
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	478	862	2,687	4,345	1,481	677	12,101	22,631	0.43	2.25
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	37	53	165	336	99	51	895	1,636	0.37	3.13
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	8	13	23	17	5	71	138	0.36	3.35
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	3	11	17	6	1	56	95	0.33	7.38
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	25	41	111	199	78	25	565	1,044	0.25	5.62
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	9	10	42	72	38	9	207	387	0.25	6.99
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	3	10	15	40	16	6	113	203	0.24	5.59
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	1	3	11	3	1	26	46	0.25	5.74
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	220	392	1,728	3,499	2,093	715	10,838	19,485	0.20	9.10
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	12	26	129	264	174	83	873	1,561	0.29	2.64
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	391	827	2,890	6,491	5,236	1,066	13,255	30,156	0.56	9.98
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	11	16	31	10	7	100	176	0.81	0.64
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	35	88	142	78	41	451	837	1.07	1.16
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	2	7	15	47	30	12	113	226	0.50	2.64
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	236	562	1,678	3,174	1,949	675	9,512	17,786	0.46	3.67
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	72	175	656	1,303	1,023	384	3,717	7,330	0.67	7.34
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	18	31	143	382	248	86	561	1,469	0.91	10.96
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	76	186	651	1,366	1,014	201	3,948	7,442	0.36	8.73
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	58	135	455	973	818	172	2,536	5,147	0.46	11.65
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	50	143	467	1,025	858	223	2,575	5,341	0.54	14.40
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	44	117	403	974	791	167	1,587	4,083	0.69	18.22

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

IMPAIRED DRIVER

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	49	55	142	165	47	12	272	742	0.02	0.35
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	7	18	25	25	15	3	59	152	0.02	0.80
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	1	3	6	2	1	14	29	0.04	0.12
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	31	37	94	118	37	13	177	507	0.07	0.78
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	1	1	0	0	1	4	0.09	1.08
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	37	77	145	184	52	36	296	827	0.29	0.14
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	129	187	417	568	211	58	860	2,430	0.29	0.25
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	4	7	13	6	2	26	59	0.13	0.44
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	454	678	1,393	1,794	753	162	2,729	7,963	0.15	0.79
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	35	42	88	138	52	14	214	583	0.13	1.12
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	3	7	9	2	1	26	49	0.13	1.19
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	6	7	3	0	14	33	0.11	2.56
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	20	27	47	73	29	3	90	289	0.07	1.56
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	6	8	14	30	9	4	40	111	0.07	2.01
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	6	12	19	1	3	28	70	0.08	1.93
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	4	0	1	2	2	0	5	14	0.08	1.75
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	116	213	567	838	561	101	1,607	4,003	0.04	1.87
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	12	17	53	83	72	11	186	434	0.08	0.73
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	199	391	843	1,481	1,360	191	2,849	7,314	0.14	2.42
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	9	10	14	6	2	38	79	0.36	0.29
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	7	33	61	66	55	12	153	387	0.49	0.54
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	4	5	14	29	9	1	40	102	0.22	1.19
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	199	453	917	1,446	869	150	2,820	6,854	0.18	1.41
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	39	118	322	512	397	97	1,332	2,817	0.26	2.82
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	9	15	47	96	86	22	204	479	0.30	3.57
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	58	141	279	491	353	47	940	2,309	0.11	2.71
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	31	74	201	332	291	38	715	1,682	0.15	3.81
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	37	75	189	339	299	32	789	1,760	0.18	4.75
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	17	51	114	250	203	42	469	1,146	0.19	5.11

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

INJURY

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----									
		TOTAL WIDTH	ADT RANGE										-----UNKNOWN-----		ACC TOTAL	ACCIDENT RATE INTENSITY
							FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO			
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	99	362	1,500	2,744	870	0	0	5,575	0.14	2.66
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	18	67	292	518	173	0	0	1,068	0.13	5.62
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	9	47	77	28	0	0	162	0.24	0.65
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	50	171	716	1,237	499	0	0	2,673	0.37	4.11
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	1	14	29	3	0	0	48	1.09	12.90
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	27	217	657	1,067	340	0	0	2,308	0.80	0.39
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	89	598	2,141	3,298	1,184	0	0	7,310	0.89	0.76
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	4	15	56	119	48	0	0	242	0.52	1.80
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	530	2,343	8,328	13,737	5,142	0	0	30,080	0.57	2.99
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	42	153	565	1,066	415	0	0	2,241	0.50	4.29
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	22	54	98	52	0	0	228	0.59	5.53
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	15	44	80	36	0	0	175	0.61	13.59
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	35	123	452	823	368	0	0	1,801	0.42	9.70
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	11	35	146	274	135	0	0	601	0.39	10.86
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	3	27	76	157	56	0	0	319	0.37	8.79
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	3	5	18	44	18	0	0	88	0.48	10.99
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	170	870	4,779	10,530	6,511	0	1	22,862	0.24	10.68
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	10	78	344	879	587	0	0	1,898	0.35	3.21
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	303	2,069	9,402	23,867	20,215	0	0	55,856	1.03	18.48
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	21	46	91	48	0	0	206	0.94	0.75
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	8	83	261	381	256	0	1	990	1.26	1.37
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	16	64	136	84	0	0	300	0.66	3.51
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	222	1,516	5,697	11,753	7,595	0	1	26,784	0.70	5.52
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	53	508	2,162	5,034	4,021	0	0	11,778	1.08	11.80
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	9	84	447	1,270	972	0	0	2,782	1.72	20.75
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	91	532	2,396	6,051	4,579	0	0	13,649	0.65	16.01
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	52	344	1,589	4,179	3,370	0	0	9,534	0.86	21.57
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	47	319	1,616	4,238	3,580	0	0	9,800	1.00	26.42
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	24	288	1,266	3,663	2,801	0	0	8,042	1.37	35.89

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

INTERSECTION

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----								ACC	ACCIDENT		
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	6	19	73	166	51	19	493	827	N/A	N/A		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	7	18	42	14	2	70	154	N/A	N/A		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	6	7	7	0	22	42	N/A	N/A		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	34	66	301	531	233	28	920	2,113	0.30	3.25		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	1	11	19	1	0	23	56	1.27	15.05		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	29	105	165	62	28	351	741	0.26	0.12		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	35	107	375	579	199	63	1,271	2,629	0.32	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	14	30	5	0	57	108	0.23	0.80		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	193	483	1,991	3,277	1,328	258	6,662	14,192	0.27	1.41		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	20	46	178	392	144	30	788	1,598	0.36	3.06		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	13	34	54	24	6	112	243	0.63	5.89		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	14	18	10	1	41	86	0.30	6.68		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	44	160	297	135	11	580	1,236	0.29	6.66		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	5	9	40	94	54	5	217	424	0.28	7.66		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	7	23	68	18	3	116	236	0.28	6.50		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	2	9	20	10	0	36	79	0.43	9.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	28	113	674	1,548	966	230	3,864	7,423	N/A	N/A		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	5	22	81	253	224	40	631	1,256	N/A	N/A		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	334	1,176	5,801	14,866	12,743	1,349	23,870	60,139	1.11	19.90		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	19	31	13	3	96	164	0.75	0.60		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	4	24	88	135	94	19	343	707	0.90	0.98		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	4	29	50	48	7	118	256	0.56	3.00		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	143	518	2,353	5,310	3,621	497	12,675	25,117	0.65	5.18		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	50	257	1,297	3,172	2,503	380	6,249	13,908	1.27	13.94		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	14	45	278	832	629	76	972	2,846	1.76	21.23		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	62	208	1,097	2,963	2,381	249	6,577	13,537	0.65	15.87		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	28	149	789	2,014	1,789	183	4,061	9,013	0.81	20.39		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	36	157	886	2,337	1,896	230	4,221	9,763	0.99	26.32		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	29	155	767	2,222	1,685	172	2,597	7,627	1.30	34.03		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

INTERSTATE

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
TOTAL WIDTH				ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	172	293	1,196	2,109	635	200	7,828	12,433	0.31	5.93		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	32	54	224	416	116	44	1,221	2,107	0.25	11.08		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	6	11	2	1	16	36	0.01	0.06		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	236	543	3,116	6,934	4,296	1,080	18,238	34,444	0.36	16.09		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	0	1	0	0	0	1	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	0	0	0	0	0	0	2	0.01	0.01		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	1	0	1	0	0	1	3	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	1	2	4	4	0	5	16	0.00	0.02		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	1	0	0	0	0	0	1	0.00	0.00		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	0	0	0	0	0	0.00	0.00		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

MEDIAN

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	16	4	6	8	4	4	13	55	0.00	0.03		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	4	2	1	2	0	0	10	0.00	0.05		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	1	1	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	16	9	18	10	5	3	26	87	0.01	0.13		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	0	0	0	0	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	7	18	38	40	23	8	92	226	0.08	0.04		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	24	24	75	100	47	10	190	470	0.06	0.05		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	3	3	0	4	1	0	0	11	0.02	0.08		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	215	187	342	420	191	48	507	1,910	0.04	0.19		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	16	11	22	31	13	6	38	137	0.03	0.26		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	4	0	0	6	11	0.03	0.27		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	3	0	1	0	5	11	0.04	0.85		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	18	12	24	22	14	0	23	113	0.03	0.61		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	7	3	4	9	3	0	12	38	0.02	0.69		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	3	2	2	3	1	0	6	17	0.02	0.47		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	0	3	0	0	4	8	0.04	1.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	33	27	29	24	14	4	36	167	0.00	0.08		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	3	2	3	0	4	14	0.00	0.02		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	51	67	132	199	163	32	241	885	0.02	0.29		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	3	3	3	0	8	19	0.09	0.07		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	4	11	18	10	2	21	66	0.08	0.09		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	3	0	4	3	0	10	20	0.04	0.23		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	61	126	202	303	220	44	492	1,448	0.04	0.30		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	15	35	61	92	85	22	174	484	0.04	0.49		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	4	9	21	16	3	32	88	0.05	0.66		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	39	57	112	138	121	20	211	698	0.03	0.82		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	23	24	55	67	78	14	127	388	0.03	0.88		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	22	17	45	76	59	10	117	346	0.04	0.93		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	3	12	33	60	44	7	61	220	0.04	0.99		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

MOTORCYCLE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	12	29	47	47	34	1	10	180	0.00	0.09		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	3	7	17	8	9	0	1	45	0.01	0.24		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	3	0	7	4	3	0	0	17	0.03	0.07		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	22	24	44	36	23	2	9	160	0.02	0.25		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	0	2	0.05	0.54		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	15	44	112	53	42	3	7	276	0.10	0.05		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	64	168	344	192	150	3	31	952	0.12	0.10		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	2	4	5	4	0	1	18	0.04	0.13		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	209	475	870	602	404	10	118	2,688	0.05	0.27		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	13	22	62	38	32	2	5	174	0.04	0.33		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	6	8	3	0	0	19	0.05	0.46		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	2	5	1	0	0	11	0.04	0.85		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	10	17	37	28	14	0	9	115	0.03	0.62		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	5	11	8	6	0	4	36	0.02	0.65		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	5	9	4	4	0	2	26	0.03	0.72		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	2	1	2	0	1	7	0.04	0.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	52	129	307	213	199	10	64	974	0.01	0.46		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	13	19	49	38	29	1	12	161	0.03	0.27		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	142	366	670	615	614	13	148	2,568	0.05	0.85		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	4	5	0	4	0	1	15	0.07	0.06		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	6	25	48	18	18	0	4	119	0.15	0.16		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	2	5	3	0	0	12	0.03	0.14		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	103	316	613	473	410	14	100	2,029	0.05	0.42		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	19	78	170	148	160	4	29	608	0.06	0.61		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	3	10	36	43	30	0	4	126	0.08	0.94		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	33	93	192	164	142	6	46	676	0.03	0.79		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	16	56	115	110	79	8	36	420	0.04	0.95		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	16	49	124	122	108	6	31	456	0.05	1.23		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	12	36	88	88	73	4	23	324	0.06	1.45		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

MOTORCYCLE DRINKING DRIVER

				ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	3	1	2	1	0	0	8	0.00	0.00
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	0	0	1	0	0	2	0.00	0.01
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	0	0	1	0	0	0	3	0.00	0.01
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	5	3	2	1	2	0	0	13	0.00	0.02
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	0	0	0	0	1	0.02	0.27
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	12	10	2	1	1	0	30	0.01	0.01
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	21	22	20	13	10	0	1	87	0.01	0.01
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	0	0	1	0	0	2	0.00	0.02
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	77	83	77	26	35	1	1	300	0.01	0.03
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	5	1	8	1	3	0	0	18	0.00	0.03
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	5	1	1	1	1	0	0	9	0.00	0.05
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	1	0	0	0	0	0	2	0.00	0.04
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	1	0	0	0	0	1	0.00	0.03
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	1	0	0	1	0.01	0.13
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	13	16	11	5	7	0	0	52	0.00	0.02
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	2	7	1	2	0	1	15	0.00	0.03
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	21	44	32	15	25	1	4	142	0.00	0.05
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	0	0	0	0	1	2	0.01	0.01
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	6	11	1	1	0	0	22	0.03	0.03
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	0	0	0	1	0.00	0.01
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	32	61	63	27	46	1	5	235	0.01	0.05
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	5	13	19	7	21	0	1	66	0.01	0.07
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	2	1	0	1	0	0	6	0.00	0.05
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	5	13	15	5	8	1	0	47	0.00	0.06
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	5	5	5	5	5	1	1	27	0.00	0.06
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	4	9	10	6	3	0	3	35	0.00	0.09
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	2	3	3	2	0	0	10	0.00	0.05

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

NHTSA AGGRESSIVE DRIVING

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	22	15	61	90	43	9	232	472	0.01	0.23
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	6	3	32	35	12	0	64	152	0.02	0.80
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	0	4	5	6	2	11	29	0.04	0.12
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	21	22	64	135	53	4	213	512	0.07	0.79
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	1	3	0	0	3	8	0.18	2.15
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	12	10	39	44	17	7	70	199	0.07	0.03
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	17	42	96	111	46	20	239	571	0.07	0.06
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	2	3	4	5	2	9	26	0.06	0.19
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	119	170	412	643	255	70	1,166	2,835	0.05	0.28
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	6	14	29	75	20	5	100	249	0.06	0.48
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	4	6	5	0	14	30	0.08	0.73
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	4	3	1	10	19	0.07	1.48
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	6	15	33	66	36	3	124	283	0.07	1.53
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	3	9	17	6	2	38	77	0.05	1.39
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	0	7	11	2	0	25	46	0.05	1.27
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	3	3	3	1	8	19	0.10	2.37
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	61	105	384	684	426	108	1,432	3,200	0.03	1.50
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	6	20	56	43	11	112	250	0.05	0.42
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	112	234	814	1,610	1,437	184	3,145	7,536	0.14	2.49
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	1	3	1	1	9	16	0.07	0.06
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	6	11	23	16	3	52	113	0.14	0.16
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	7	9	5	1	11	35	0.08	0.41
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	75	126	373	711	499	81	1,575	3,440	0.09	0.71
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	22	45	165	262	236	34	638	1,402	0.13	1.41
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	4	4	26	45	47	11	101	238	0.15	1.78
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	30	40	199	442	352	36	971	2,070	0.10	2.43
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	14	39	99	274	182	27	522	1,157	0.10	2.62
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	13	18	107	265	208	26	516	1,153	0.12	3.11
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	6	21	87	215	143	15	323	810	0.14	3.61

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

NO CLEARANCE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	0	5	10	4	0	21	41	0.00	0.02		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	1	0	0	0	1	2	0.00	0.01		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	0	2	0	11	14	0.02	0.06		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	15	13	78	109	51	4	176	446	0.06	0.69		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	3	0	0	3	7	0.16	1.88		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	3	18	29	15	0	59	125	0.04	0.02		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	20	89	139	50	6	289	600	0.07	0.06		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	2	7	1	1	14	25	0.05	0.19		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	68	115	507	880	365	39	1,625	3,599	0.07	0.36		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	5	9	53	115	44	9	226	461	0.10	0.88		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	3	4	15	8	1	31	62	0.16	1.50		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	7	3	0	10	22	0.08	1.71		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	5	9	29	82	28	1	120	274	0.06	1.48		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	4	10	22	10	1	46	95	0.06	1.72		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	2	8	12	6	1	24	53	0.06	1.46		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	2	2	6	5	0	4	19	0.10	2.37		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	4	20	72	57	5	148	307	0.00	0.14		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	2	5	19	18	2	47	94	0.02	0.16		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	51	127	550	1,289	1,200	92	2,493	5,802	0.11	1.92		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	2	9	5	0	23	40	0.18	0.15		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	5	22	41	21	4	84	179	0.23	0.25		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	4	5	8	1	20	39	0.09	0.46		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	39	98	544	1,350	874	77	3,099	6,081	0.16	1.25		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	9	31	259	607	482	47	1,486	2,921	0.27	2.93		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	6	24	89	67	9	155	350	0.22	2.61		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	12	29	201	554	371	31	1,133	2,331	0.11	2.73		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	7	23	115	333	255	13	697	1,443	0.13	3.27		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	14	14	135	353	262	23	660	1,461	0.15	3.94		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	4	9	78	242	165	15	364	877	0.15	3.91		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

NON INTERSECTION

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	205	343	1,427	2,578	819	237	9,798	15,407	0.38	7.35
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	36	60	274	476	159	59	1,500	2,564	0.30	13.49
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	9	41	70	21	8	215	371	0.55	1.48
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	81	105	415	706	266	56	2,097	3,726	0.52	5.73
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	3	10	2	0	18	33	0.75	8.87
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	83	188	552	902	278	135	2,033	4,171	1.45	0.70
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	260	491	1,766	2,719	985	339	6,419	12,979	1.57	1.35
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	6	13	42	89	43	15	246	454	0.98	3.38
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	1,054	1,860	6,337	10,460	3,814	971	25,195	49,691	0.94	4.95
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	71	107	387	674	271	67	1,670	3,247	0.73	6.21
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	3	9	20	44	28	5	123	232	0.60	5.62
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	13	30	62	26	2	132	266	0.93	20.66
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	50	79	292	526	233	45	1,241	2,466	0.58	13.28
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	16	26	106	180	81	20	473	902	0.59	16.30
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	8	20	53	89	38	10	243	461	0.54	12.70
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	3	3	9	24	8	2	42	91	0.49	11.36
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	360	757	4,105	8,982	5,545	1,333	25,488	46,571	0.49	21.76
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	35	56	263	626	363	111	1,711	3,165	0.59	5.35
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	422	893	3,601	9,001	7,472	1,058	19,052	41,499	0.77	13.73
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	19	27	60	35	11	196	351	1.61	1.28
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	12	59	173	246	162	55	812	1,519	1.94	2.10
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	12	35	86	36	10	206	390	0.86	4.56
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	403	998	3,344	6,443	3,974	770	17,476	33,408	0.87	6.89
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	103	251	865	1,862	1,518	357	5,192	10,148	0.93	10.17
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	17	39	169	438	343	99	738	1,843	1.14	13.75
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	128	324	1,299	3,088	2,198	289	7,848	15,174	0.73	17.79
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	88	195	800	2,165	1,581	217	4,831	9,877	0.89	22.35
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	81	162	730	1,901	1,684	266	4,489	9,313	0.95	25.11
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	53	133	499	1,441	1,116	185	2,493	5,920	1.01	26.42

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

OVERTURNED

							-----ACCIDENT COUNTS BY SEVERITY-----									
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY	
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO			
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	99	150	510	833	286	17	1,062	2,957	0.07	1.41
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	14	17	68	90	42	4	99	334	0.04	1.76
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	5	14	29	7	1	48	105	0.16	0.42
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	19	32	84	144	55	7	183	524	0.07	0.81
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	1	0	0	0	2	0.05	0.54
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	23	53	147	264	77	31	462	1,057	0.37	0.18
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	96	128	472	831	264	63	1,399	3,253	0.39	0.34
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	3	12	22	12	3	51	104	0.22	0.77
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	318	432	1,579	2,571	856	173	3,662	9,591	0.18	0.96
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	20	23	81	130	45	10	174	483	0.11	0.92
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	2	2	7	2	1	10	25	0.06	0.61
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	5	11	2	0	14	32	0.11	2.49
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	14	35	66	19	5	68	216	0.05	1.16
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	2	9	25	4	1	14	58	0.04	1.05
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	3	3	6	5	3	1	11	32	0.04	0.88
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	1	3	1	0	1	7	0.04	0.87
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	123	200	655	902	557	67	1,037	3,541	0.04	1.65
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	11	14	53	90	39	12	114	333	0.06	0.56
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	67	102	308	485	383	49	523	1,917	0.04	0.63
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	5	8	13	7	1	21	56	0.26	0.20
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	4	9	39	46	26	5	83	212	0.27	0.29
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	3	1	11	6	5	4	17	47	0.10	0.55
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	88	177	492	947	481	75	1,447	3,707	0.10	0.77
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	15	24	93	119	89	12	169	521	0.05	0.52
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	2	11	15	19	0	21	70	0.04	0.52
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	16	53	113	168	125	8	218	701	0.03	0.82
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	10	18	38	91	54	6	100	317	0.03	0.72
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	10	11	40	62	45	12	65	245	0.02	0.66
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	4	8	17	39	29	6	29	132	0.02	0.59

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

PA STATE POLICE REPORTED

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
TOTAL WIDTH				ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	204	346	1,451	2,603	797	237	9,689	15,327	0.38	7.31		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	34	58	258	485	140	55	1,383	2,413	0.28	12.69		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	6	40	64	12	4	184	317	0.47	1.26		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	91	113	542	889	273	46	2,088	4,042	0.57	6.22		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	13	24	3	0	30	71	1.61	19.08		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	73	195	603	938	260	139	2,054	4,262	1.48	0.71		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	248	473	1,866	2,752	848	304	6,182	12,673	1.54	1.31		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	4	12	46	100	36	11	235	444	0.95	3.30		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	998	1,791	6,839	11,006	3,313	860	24,107	48,914	0.93	4.87		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	67	91	413	718	212	61	1,616	3,178	0.71	6.08		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	16	36	64	24	7	155	303	0.78	7.35		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	4	22	46	15	1	98	186	0.65	14.45		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	38	76	265	516	149	31	1,067	2,142	0.50	11.54		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	7	14	80	120	45	11	297	574	0.38	10.37		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	7	15	47	102	28	6	189	394	0.46	10.86		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	3	9	17	5	1	32	69	0.37	8.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	299	659	3,942	8,618	4,894	1,248	23,262	42,923	0.45	20.05		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	24	40	189	456	219	74	1,164	2,166	0.40	3.66		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	83	228	1,221	2,506	903	172	4,735	9,848	0.18	3.26		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	2	24	45	13	4	125	216	0.99	0.79		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	7	26	98	142	48	18	324	663	0.85	0.92		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	3	4	25	49	12	1	88	182	0.40	2.13		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	194	450	2,010	3,710	1,185	264	7,792	15,605	0.41	3.22		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	32	55	286	499	162	35	1,044	2,113	0.19	2.12		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	8	42	79	27	7	145	310	0.19	2.31		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	49	111	584	1,191	471	101	2,392	4,899	0.23	5.75		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	26	56	260	469	144	38	878	1,871	0.17	4.23		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	15	22	188	356	110	27	700	1,418	0.14	3.82		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	14	59	131	44	11	266	532	0.09	2.37		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

PEDESTRIAN

							-----ACCIDENT COUNTS BY SEVERITY-----											
				MILLION	VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	14	8	3	10	3	0	0	38	0.00	0.02		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	5	7	2	1	1	0	0	16	0.00	0.08		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	1	0	0	0	1	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	11	5	8	3	7	0	1	35	0.00	0.05		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	0	0	0	0	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	5	5	6	11	2	0	0	29	0.01	0.01		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	8	14	18	20	8	0	1	69	0.01	0.01		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	54	57	94	79	39	0	1	324	0.01	0.03		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	7	13	21	21	10	0	0	72	0.02	0.14		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	7	5	5	1	0	0	18	0.05	0.44		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	0	0	0	0	0	0	1	0.00	0.08		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	3	4	3	5	4	0	0	19	0.00	0.10		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	4	0	2	0	2	0	0	8	0.01	0.15		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	1	1	2	1	0	0	6	0.01	0.17		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	1	1	0	0	4	0.02	0.50		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	46	39	37	30	23	0	2	177	0.00	0.08		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	6	2	5	11	7	0	0	31	0.01	0.05		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	220	352	889	1,721	1,461	4	5	4,652	0.09	1.54		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	2	0	1	0	0	3	0.01	0.01		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	3	3	6	5	0	0	18	0.02	0.03		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	7	5	9	0	0	22	0.05	0.26		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	56	85	190	239	197	0	1	768	0.02	0.16		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	60	104	257	405	356	1	2	1,185	0.11	1.19		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	14	26	92	193	134	0	0	459	0.28	3.42		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	23	47	81	89	108	0	0	348	0.02	0.41		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	24	68	141	171	209	1	1	615	0.06	1.39		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	27	81	198	279	283	1	1	870	0.09	2.35		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	34	84	206	384	328	0	1	1,037	0.18	4.63		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

PHANTOM VEHICLE

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----						ACC TOTAL	ACCIDENT RATE INTENSITY				
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	5	15	13	11	0	45	89	0.00	0.04		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	2	2	5	2	0	7	19	0.00	0.10		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	1	1	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	1	3	8	6	1	24	43	0.01	0.07		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	0	0	0	0	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	1	6	1	1	3	12	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	13	21	8	1	42	85	0.01	0.01		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	1	0	0	0	4	5	0.01	0.04		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	4	14	56	88	33	3	170	368	0.01	0.04		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	2	1	3	1	0	12	20	0.00	0.04		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	1	1	0.00	0.02		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	3	0	0	0	3	0.01	0.23		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	5	10	1	0	10	26	0.01	0.14		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	2	2	1	0	4	10	0.01	0.18		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	4	4	0.00	0.11		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	0	0	0	0	1	0.01	0.13		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	7	8	62	150	73	7	316	623	0.01	0.29		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	0	2	5	4	0	13	25	0.00	0.04		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	4	21	70	167	118	11	353	744	0.01	0.25		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	1	1	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	4	3	0	10	17	0.02	0.02		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	1	0	0	2	0.00	0.02		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	4	9	39	70	30	5	199	356	0.01	0.07		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	2	12	29	16	1	57	118	0.01	0.12		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	1	3	6	5	0	5	20	0.01	0.15		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	3	10	36	22	0	69	141	0.01	0.17		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	2	11	24	6	1	46	90	0.01	0.20		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	1	9	19	12	0	39	80	0.01	0.22		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	7	13	10	2	37	69	0.01	0.31		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

POSSIBLE INJURY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	49	67	205	2,744	0	0	0	3,065	0.08	1.46		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	8	18	42	518	0	0	0	586	0.07	3.08		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	4	77	0	0	0	81	0.12	0.32		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	18	44	155	1,237	0	0	0	1,454	0.20	2.24		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	4	29	0	0	0	33	0.75	8.87		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	7	23	71	1,067	0	0	0	1,168	0.41	0.20		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	21	82	258	3,298	0	0	0	3,659	0.44	0.38		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	4	6	119	0	0	0	131	0.28	0.98		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	213	423	1,394	13,737	0	0	0	15,767	0.30	1.57		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	17	27	99	1,066	0	0	0	1,209	0.27	2.31		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	3	16	98	0	0	0	117	0.30	2.84		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	4	80	0	0	0	84	0.29	6.52		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	15	29	125	823	0	0	0	992	0.23	5.34		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	8	36	274	0	0	0	321	0.21	5.80		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	5	24	157	0	0	0	188	0.22	5.18		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	4	44	0	0	0	49	0.27	6.12		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	68	171	745	10,530	0	0	0	11,514	0.12	5.38		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	5	9	38	879	0	0	0	931	0.17	1.57		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	106	368	1,901	23,867	0	0	0	26,242	0.49	8.68		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	10	91	0	0	0	104	0.48	0.38		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	12	47	381	0	0	0	442	0.56	0.61		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	14	136	0	0	0	150	0.33	1.76		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	72	262	1,077	11,753	0	0	0	13,164	0.34	2.72		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	17	83	400	5,034	0	0	0	5,534	0.51	5.55		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	4	14	72	1,270	0	0	0	1,360	0.84	10.14		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	24	115	535	6,051	0	0	0	6,725	0.32	7.89		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	19	70	346	4,179	0	0	0	4,614	0.42	10.44		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	14	48	308	4,238	0	0	0	4,608	0.47	12.42		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	5	58	237	3,663	0	0	0	3,963	0.67	17.68		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

PROPERTY DAMAGE ONLY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	255	10,290	10,545	0.26	5.03		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	61	1,570	1,631	0.19	8.58		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	8	237	245	0.36	0.98		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	84	3,016	3,100	0.43	4.77		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	41	41	0.93	11.02		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	162	2,384	2,546	0.89	0.43		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	0	0	0	401	7,686	8,087	0.98	0.84		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	15	303	318	0.68	2.37		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	0	0	0	1,227	31,847	33,074	0.63	3.29		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	1	0	96	2,458	2,555	0.57	4.89		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	11	235	246	0.63	5.96		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	3	173	176	0.61	13.67		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	0	0	56	1,820	1,876	0.44	10.11		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	25	690	715	0.47	12.92		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	13	359	372	0.44	10.25		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	2	78	80	0.43	9.99		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	0	0	1,561	29,348	30,909	0.32	14.44		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	1	0	149	2,338	2,488	0.47	4.20		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	1	2	13	11	2,385	42,906	45,318	0.84	15.00		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	14	292	306	1.40	1.12		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	74	1,154	1,228	1.57	1.70		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	17	324	341	0.75	3.99		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	0	0	0	0	0	1,266	30,137	31,403	0.82	6.48		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	1	0	2	0	733	11,436	12,172	1.11	12.20		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	2	171	1,705	1,878	1.16	14.01		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	0	1	0	537	14,420	14,958	0.72	17.54		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	1	0	398	8,889	9,288	0.84	21.01		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	1	0	494	8,707	9,202	0.94	24.81		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	3	3	354	5,089	5,449	0.93	24.32		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

REAR END

							-----ACCIDENT COUNTS BY SEVERITY-----									
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY	
		TOTAL WIDTH		ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO			
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	40	56	267	400	150	61	883	1,857	0.05	0.89
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	6	20	92	173	56	18	335	700	0.08	3.68
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	3	3	6	7	2	26	47	0.07	0.19
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	5	22	138	291	121	21	497	1,095	0.15	1.68
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	2	10	1	0	6	19	0.43	5.11
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	3	12	22	4	3	47	95	0.03	0.02
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	17	58	84	31	10	197	404	0.05	0.04
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	5	12	4	1	12	35	0.08	0.26
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	31	123	887	1,903	660	112	3,379	7,095	0.13	0.71
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	4	13	84	215	81	17	370	784	0.18	1.50
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	10	25	13	1	36	87	0.22	2.11
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	14	30	17	2	60	126	0.44	9.79
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	2	18	158	312	158	19	632	1,299	0.31	7.00
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	8	43	101	50	8	264	477	0.31	8.62
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	4	20	44	20	5	97	190	0.22	5.24
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	3	9	3	1	19	36	0.20	4.50
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	78	241	1,996	4,969	3,172	605	10,750	21,811	0.23	10.19
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	16	87	327	223	34	582	1,271	0.24	2.15
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	45	296	2,256	8,190	7,056	750	13,622	32,215	0.60	10.66
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	1	2	6	4	0	6	20	0.09	0.07
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	3	7	31	23	5	68	137	0.18	0.19
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	7	21	10	1	43	83	0.18	0.97
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	22	105	823	2,314	1,617	164	5,085	10,130	0.26	2.09
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	10	48	307	1,165	970	129	2,380	5,009	0.46	5.02
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	5	75	310	256	42	366	1,056	0.65	7.88
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	15	65	748	2,649	1,945	179	5,611	11,212	0.54	13.15
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	7	46	454	1,737	1,334	130	3,289	6,997	0.63	15.83
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	5	47	462	1,662	1,406	163	3,122	6,867	0.70	18.51
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	33	328	1,244	965	106	1,714	4,397	0.75	19.62

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

RUNNING RED LIGHT

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	0	1	3	0	1	4	10	N/A	N/A		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	N/A	N/A		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	N/A	N/A		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	7	31	56	20	7	79	203	0.03	0.31		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	5	3	0	0	4	13	0.30	3.49		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	1	1	1	0	0	2	5	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	1	1	0.00	0.01		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	1	12	30	53	24	4	96	220	0.00	0.02		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	3	4	25	7	0	38	78	0.02	0.15		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	6	7	5	0	15	33	0.08	0.80		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	1	1	0	0	2	0.01	0.16		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	2	8	14	5	1	20	50	0.01	0.27		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	3	10	8	0	20	42	0.03	0.76		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	2	4	3	0	9	19	0.02	0.52		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	3	1	0	5	10	0.05	1.25		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	11	29	26	4	55	125	N/A	N/A		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	1	12	39	25	4	73	154	N/A	N/A		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	58	222	1,107	2,383	2,042	194	3,835	9,841	0.18	3.26		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	1	1	3	0.01	0.01		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	1	1	3	0	0	5	10	0.01	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	0	3	4	1	1	10	0.02	0.12		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	9	29	108	297	210	22	561	1,236	0.03	0.26		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	13	154	363	324	44	677	1,577	0.14	1.58		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	5	28	125	78	8	153	399	0.25	2.98		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	6	22	113	296	230	26	489	1,182	0.06	1.39		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	3	14	98	237	187	26	393	958	0.09	2.17		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	2	9	101	285	241	32	506	1,176	0.12	3.17		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	3	19	93	275	197	21	363	971	0.17	4.33		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

RUNNING STOP SIGN

			TOTAL WIDTH	ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	1	2	9	3	0	11	26	N/A	N/A
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	1	1	N/A	N/A
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	3	3	0	3	10	N/A	N/A
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	6	5	22	31	13	0	32	109	0.02	0.17
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	1	1	0.02	0.27
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	2	20	27	7	5	47	108	0.04	0.02
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	8	20	71	99	39	8	174	419	0.05	0.04
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	2	2	0	0	7	12	0.03	0.09
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	51	77	283	371	167	32	672	1,653	0.03	0.17
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	5	4	14	41	10	1	70	145	0.03	0.28
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	2	2	1	0	3	10	0.03	0.24
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	1	0	0	0	2	0.01	0.16
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	4	5	7	16	5	1	24	62	0.01	0.33
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	3	3	0	0	8	15	0.01	0.27
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	6	0	0	6	12	0.01	0.33
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	0	2	0	2	5	0.03	0.62
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	8	19	13	3	34	77	N/A	N/A
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	4	7	8	19	2	21	61	N/A	N/A
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	3	20	102	192	172	26	329	844	0.02	0.28
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	3	10	1	0	17	32	0.15	0.12
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	5	16	28	10	4	36	100	0.13	0.14
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	5	7	3	0	16	31	0.07	0.36
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	20	67	307	533	320	44	1,026	2,317	0.06	0.48
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	20	86	213	149	36	385	893	0.08	0.90
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	1	12	31	15	4	35	99	0.06	0.74
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	10	16	45	95	77	7	191	441	0.02	0.52
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	8	23	58	42	5	94	231	0.02	0.52
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	7	31	53	34	11	76	212	0.02	0.57
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	2	3	18	32	26	6	42	129	0.02	0.58

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SCHOOL BUS

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	4	2	1	19	26	0.00	0.01		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	1	1	0	0	5	7	0.00	0.04		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	3	6	7	4	0	11	31	0.00	0.05		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	1	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	2	3	10	4	0	12	31	0.01	0.01		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	2	4	11	24	7	2	38	88	0.01	0.01		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	0	1	1	0	1	4	0.01	0.03		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	10	22	46	96	38	5	188	405	0.01	0.04		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	0	2	11	3	0	10	27	0.01	0.05		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	1	0	0	0	2	0.01	0.05		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	1	1	1	0	3	0.01	0.23		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	1	1	4	6	4	0	7	23	0.01	0.12		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	2	0	0	6	9	0.01	0.16		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	2	1	0	0	1	5	0.01	0.14		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	0	0	0	0	0	1	0.01	0.13		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	4	12	55	39	3	89	202	0.00	0.09		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	2	8	1	2	9	24	0.00	0.04		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	7	10	62	172	136	8	218	613	0.01	0.20		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	0	0	2	1	0	0	4	0.02	0.02		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	3	3	2	1	9	18	0.02	0.03		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	1	2	0	0	1	4	0.01	0.05		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	1	6	35	118	87	8	223	478	0.01	0.10		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	4	17	45	26	2	92	186	0.02	0.19		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	1	1	12	7	2	18	42	0.03	0.31		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	2	19	36	52	3	116	229	0.01	0.27		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	2	2	6	38	20	7	63	138	0.01	0.31		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	2	0	9	20	25	2	58	116	0.01	0.31		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	2	1	12	25	16	2	41	99	0.02	0.44		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SHOULDER RELATED

							-----ACCIDENT COUNTS BY SEVERITY-----									
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)						-----UNKNOWN-----		ACC TOTAL	ACCIDENT RATE INTENSITY	
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO			
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	1	2	0	0	0	9	12	0.00	0.01
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	2	2	0.00	0.01
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	0	0	0	0	1	0.00	0.00
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	0	1	1	0.00	0.00
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	2	1	6	1	0	18	29	0.01	0.01
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	1	9	18	6	1	31	66	0.01	0.01
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	2	0	0	3	5	0.01	0.04
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	1	19	35	8	4	80	147	0.00	0.02
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	3	3	0.00	0.01
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	1	1	0	0	0	2	0.00	0.01
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	0	3	2	1	0	14	21	0.00	0.01
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	1	0	0	0	6	7	0.00	0.01
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	2	1	1	1	12	17	0.00	0.01
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	0	0	1	0.00	0.00
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	2	1	0	7	10	0.01	0.01
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	0	0	1	2	0.00	0.02
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	3	8	26	18	1	60	118	0.00	0.02
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	1	1	2	2	0	2	8	0.00	0.01
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	5	3	3	1	6	18	0.00	0.02
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	2	0	0	0	2	0.00	0.01
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	1	2	0	0	3	6	0.00	0.02
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	0	1	0	1	2	0.00	0.01

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SIGNALIZED INT

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	0	7	13	2	1	50	74	N/A	N/A		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	2	1	0	1	4	N/A	N/A		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	N/A	N/A		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	14	29	97	216	96	15	354	821	0.11	1.26		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	1	0	8	10	0	0	12	31	0.71	8.33		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	3	6	3	1	14	27	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	3	3	0.01	0.02		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	5	33	131	265	121	20	499	1,074	0.02	0.11		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	5	10	24	84	32	3	140	298	0.07	0.57		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	14	22	10	3	41	91	0.23	2.21		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	2	2	0	3	9	0.03	0.70		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	5	26	56	21	2	94	204	0.05	1.10		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	4	14	40	22	2	71	153	0.10	2.77		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	4	8	32	9	2	51	106	0.12	2.92		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	4	10	3	0	13	31	0.17	3.87		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	2	3	59	140	120	20	287	631	N/A	N/A		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	8	31	133	99	11	264	548	N/A	N/A		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	226	843	4,359	11,162	9,523	916	16,185	43,214	0.80	14.30		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	0	1	2	4	0.02	0.02		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	1	3	6	10	1	27	49	0.06	0.07		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	3	11	10	1	12	38	0.08	0.45		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	20	88	417	1,167	868	96	2,455	5,111	0.13	1.05		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	11	100	516	1,414	1,140	156	2,301	5,638	0.52	5.65		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	7	22	165	540	409	39	498	1,680	1.04	12.53		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	19	81	431	1,220	1,045	89	2,644	5,529	0.27	6.48		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	9	74	415	1,074	963	102	2,016	4,653	0.42	10.53		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	11	75	482	1,336	1,104	112	2,268	5,388	0.55	14.53		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	18	111	497	1,537	1,188	110	1,628	5,089	0.87	22.71		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SINGLE VEHICLE RUN OFF ROAD

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	130	263	1,025	1,831	614	128	5,902	9,893	0.25	4.72
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	18	34	139	257	83	21	792	1,344	0.16	7.07
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	7	7	40	62	16	5	187	324	0.48	1.29
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	40	67	224	429	171	37	1,271	2,239	0.31	3.44
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	3	3	0	0	10	17	0.39	4.57
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	63	158	506	841	259	155	1,953	3,935	1.37	0.66
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	224	445	1,651	2,554	907	353	6,101	12,235	1.48	1.27
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	10	41	74	36	11	234	408	0.88	3.04
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	650	1,316	4,810	8,016	2,887	890	19,144	37,713	0.72	3.75
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	39	70	268	417	174	48	1,097	2,113	0.47	4.04
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	5	7	23	7	6	79	128	0.33	3.10
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	5	15	28	8	0	77	134	0.47	10.41
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	19	35	122	225	83	20	530	1,034	0.24	5.57
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	9	32	65	30	10	195	344	0.23	6.22
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	7	17	41	9	5	116	197	0.23	5.43
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	2	4	10	5	1	18	41	0.22	5.12
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	189	437	2,000	3,892	2,265	558	12,782	22,123	0.23	10.34
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	29	51	199	371	223	89	1,333	2,295	0.43	3.88
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	208	439	1,421	2,652	2,108	567	8,370	15,765	0.29	5.22
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	2	17	30	51	32	11	203	346	1.58	1.26
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	11	53	163	228	154	51	804	1,464	1.87	2.02
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	9	26	69	29	12	181	331	0.73	3.87
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	263	703	2,361	4,503	2,594	725	13,906	25,055	0.65	5.17
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	45	143	560	955	782	281	3,347	6,113	0.56	6.13
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	10	22	77	140	127	44	388	808	0.50	6.03
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	44	157	521	1,017	767	161	3,384	6,051	0.29	7.10
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	29	84	330	665	494	116	2,063	3,781	0.34	8.55
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	35	74	269	527	465	141	1,783	3,294	0.34	8.88
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	12	55	162	362	280	95	887	1,853	0.32	8.27

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SNOW SLUSH ROAD

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----						ACC TOTAL	ACCIDENT RATE INTENSITY				
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	15	32	193	442	116	43	1,752	2,593	0.06	1.24		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	2	4	17	59	9	6	202	299	0.04	1.57		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	1	7	2	2	40	52	0.08	0.21		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	2	10	35	81	29	3	279	439	0.06	0.68		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	1	0	0	4	6	0.14	1.61		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	8	46	117	34	9	387	602	0.21	0.10		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	4	19	136	356	87	33	1,167	1,802	0.22	0.19		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	4	8	5	4	46	67	0.14	0.50		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	41	113	557	1,394	437	109	4,362	7,013	0.13	0.70		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	4	11	29	80	29	7	256	416	0.09	0.80		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	2	2	5	3	1	12	25	0.06	0.61		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	3	2	0	13	20	0.07	1.55		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	2	3	14	43	16	3	120	201	0.05	1.08		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	2	5	4	4	0	34	49	0.03	0.89		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	3	5	2	0	14	24	0.03	0.66		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	3	3	1	0	3	10	0.05	1.25		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	4	24	128	503	238	65	2,084	3,046	0.03	1.42		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	9	24	17	3	135	188	0.04	0.32		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	7	22	133	431	331	56	1,643	2,623	0.05	0.87		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	3	10	7	2	38	62	0.28	0.23		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	12	26	10	4	122	174	0.22	0.24		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	2	6	5	1	40	54	0.12	0.63		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	12	30	210	596	332	59	2,694	3,933	0.10	0.81		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	4	14	48	144	136	31	633	1,010	0.09	1.01		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	1	8	21	17	5	62	115	0.07	0.86		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	3	11	45	147	95	16	635	952	0.05	1.12		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	5	24	83	64	10	344	531	0.05	1.20		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	1	3	21	73	58	9	259	424	0.04	1.14		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	2	11	50	22	8	148	241	0.04	1.08		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SPEEDING

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH	ADT RANGE						FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	23	13	53	51	17	3	135	295	0.01	0.14
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	5	2	13	14	9	1	27	71	0.01	0.37
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	3	1	1	2	3	10	0.01	0.04
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	17	16	26	34	17	4	68	182	0.03	0.28
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	0	0	0	1	2	0.05	0.54
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	18	14	38	58	21	11	92	252	0.09	0.04
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	42	61	126	141	55	26	249	700	0.08	0.07
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	1	4	5	2	4	17	0.04	0.13
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	159	201	367	436	196	73	754	2,186	0.04	0.22
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	11	17	20	44	8	4	56	160	0.04	0.31
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	1	2	0	0	1	3	8	0.02	0.19
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	1	1	1	0	4	9	0.03	0.70
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	7	8	17	19	17	3	27	98	0.02	0.53
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	2	3	4	2	1	4	17	0.01	0.31
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	1	1	4	1	0	5	12	0.01	0.33
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	0	1	0	0	0	3	6	0.03	0.75
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	67	88	241	330	212	61	636	1,635	0.02	0.76
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	7	11	22	35	28	9	92	204	0.04	0.35
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	133	196	340	565	528	102	837	2,701	0.05	0.89
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	6	3	9	3	0	14	36	0.16	0.13
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	4	20	23	27	16	5	64	159	0.20	0.22
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	2	2	5	8	5	0	12	34	0.07	0.40
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	121	180	299	420	317	83	880	2,300	0.06	0.47
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	25	46	113	127	108	49	264	732	0.07	0.73
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	7	9	20	34	32	13	46	161	0.10	1.20
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	22	42	59	89	84	19	202	517	0.02	0.61
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	19	32	37	71	66	12	132	369	0.03	0.84
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	15	24	57	72	61	21	125	375	0.04	1.01
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	22	39	69	68	21	80	306	0.05	1.37

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SPEEDING RELATED

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	93	100	531	1,057	336	76	3,285	5,478	0.14	2.61
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	15	21	114	208	68	20	576	1,022	0.12	5.38
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	6	4	26	41	17	5	127	226	0.33	0.90
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	45	54	187	337	122	15	800	1,560	0.22	2.40
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	5	5	0	0	5	16	0.36	4.30
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	52	102	302	477	130	71	1,067	2,201	0.77	0.37
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	164	251	881	1,432	474	194	3,346	6,742	0.82	0.70
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	6	24	43	19	7	120	221	0.47	1.65
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	582	889	2,925	5,029	1,781	448	11,402	23,056	0.44	2.30
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	32	60	148	287	95	27	593	1,242	0.28	2.38
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	5	15	14	6	1	34	76	0.20	1.84
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	4	7	32	10	1	65	119	0.41	9.24
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	25	27	129	228	113	17	492	1,031	0.24	5.55
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	14	31	58	25	6	142	279	0.18	5.04
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	4	14	29	11	1	82	142	0.17	3.91
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	2	0	5	9	3	2	20	41	0.22	5.12
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	187	385	2,041	4,586	2,913	582	12,156	22,851	0.24	10.68
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	22	30	145	322	196	54	964	1,733	0.32	2.93
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	231	435	1,475	3,684	2,972	376	7,423	16,596	0.31	5.49
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	3	11	22	32	21	4	98	191	0.87	0.70
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	8	37	97	122	73	23	417	777	0.99	1.07
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	5	7	25	42	16	2	102	199	0.44	2.33
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	249	480	1,579	3,293	1,879	342	8,919	16,741	0.44	3.45
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	52	111	344	659	524	133	1,811	3,634	0.33	3.64
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	9	15	45	121	112	21	240	563	0.35	4.20
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	52	122	520	1,381	960	109	3,338	6,482	0.31	7.60
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	33	75	246	720	525	56	1,623	3,278	0.30	7.42
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	29	58	249	631	485	68	1,398	2,918	0.30	7.87
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	15	47	153	429	306	57	713	1,720	0.29	7.68

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

STOP CONTROLLED INT

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	1	6	18	8	2	44	80	N/A	N/A
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	1	2	0	0	2	5	N/A	N/A
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	2	5	6	0	13	26	N/A	N/A
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	15	17	106	158	67	6	229	598	0.08	0.92
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	3	1	0	4	8	0.18	2.15
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	12	44	77	33	11	154	332	0.12	0.06
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	18	50	212	321	106	30	647	1,384	0.17	0.14
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	4	16	4	0	24	49	0.11	0.37
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	124	224	942	1,557	635	104	3,028	6,614	0.13	0.66
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	11	15	75	177	59	14	348	699	0.16	1.34
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	8	8	17	7	1	43	84	0.22	2.04
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	4	9	4	0	11	28	0.10	2.18
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	15	58	117	40	5	203	447	0.11	2.41
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	3	3	11	27	15	1	76	136	0.09	2.46
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	3	7	21	7	1	25	64	0.08	1.76
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	2	3	7	5	0	13	30	0.16	3.75
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	8	49	175	135	18	333	719	N/A	N/A
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	1	5	17	31	49	8	91	202	N/A	N/A
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	48	127	591	1,450	1,355	138	2,579	6,288	0.12	2.08
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	8	20	7	2	53	92	0.42	0.34
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	2	14	52	82	47	11	181	389	0.50	0.54
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	16	16	21	4	62	120	0.26	1.40
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	73	223	1,107	2,408	1,644	205	5,806	11,466	0.30	2.37
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	19	83	451	1,053	807	117	2,297	4,827	0.44	4.84
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	11	52	170	124	19	234	611	0.38	4.56
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	22	55	324	820	605	55	1,700	3,581	0.17	4.20
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	10	38	172	454	391	29	890	1,984	0.18	4.49
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	11	26	189	498	367	37	823	1,951	0.20	5.26
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	17	123	338	230	29	416	1,160	0.20	5.18

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SUDDEN DEER

				ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	11	90	199	34	9	2,570	2,914	0.07	1.39
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	5	24	6	2	211	249	0.03	1.31
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	1	1	2	0	0	11	15	0.02	0.06
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	3	3	14	37	9	0	419	485	0.07	0.75
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	6	6	0.14	1.61
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	17	53	94	36	8	202	414	0.14	0.07
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	29	145	211	78	13	750	1,233	0.15	0.13
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	6	4	2	1	33	46	0.10	0.34
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	19	71	405	696	198	29	4,035	5,453	0.10	0.54
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	2	3	17	35	7	1	244	309	0.07	0.59
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	2	1	0	19	23	0.06	0.56
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	2	3	1	0	9	15	0.05	1.17
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	2	11	21	4	0	225	263	0.06	1.42
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	3	5	6	1	68	83	0.05	1.50
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	2	1	0	2	1	0	36	42	0.05	1.16
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	1	0	0	12	13	0.07	1.62
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	1	11	80	234	77	10	2,437	2,850	0.03	1.33
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	3	9	2	1	38	53	0.01	0.09
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	2	3	31	104	67	8	1,014	1,229	0.02	0.41
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	1	4	3	0	1	16	25	0.11	0.09
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	2	8	16	9	5	64	105	0.13	0.15
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	1	3	2	0	16	22	0.05	0.26
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	4	20	119	285	128	24	1,496	2,076	0.05	0.43
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	2	9	31	21	0	195	259	0.02	0.26
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	2	5	0	1	18	26	0.02	0.19
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	4	32	69	31	11	583	730	0.04	0.86
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	3	7	21	13	1	198	244	0.02	0.55
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	3	15	13	1	134	166	0.02	0.45
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	1	6	1	0	54	62	0.01	0.28

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SUSPECTED MINOR INJURY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
TOTAL WIDTH				ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	46	70	1,500	0	0	0	0	1,616	0.04	0.77		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	9	17	292	0	0	0	0	318	0.04	1.67		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	47	0	0	0	0	47	0.07	0.19		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	20	43	716	0	0	0	0	779	0.11	1.20		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	14	0	0	0	0	14	0.32	3.76		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	11	33	657	0	0	0	0	701	0.24	0.12		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	30	88	2,141	0	0	0	0	2,259	0.27	0.23		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	3	56	0	0	0	0	59	0.13	0.44		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	199	413	8,328	0	0	0	0	8,940	0.17	0.89		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	13	37	565	0	0	0	0	615	0.14	1.18		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	6	54	0	0	0	0	61	0.16	1.48		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	4	44	0	0	0	0	48	0.17	3.73		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	12	32	452	0	0	0	0	496	0.12	2.67		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	5	10	146	0	0	0	0	161	0.11	2.91		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	15	76	0	0	0	0	92	0.11	2.54		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	0	18	0	0	0	0	19	0.10	2.37		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	55	160	4,779	0	0	0	0	4,994	0.05	2.33		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	6	344	0	0	0	0	352	0.07	0.59		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	100	399	9,402	0	0	0	0	9,901	0.18	3.28		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	46	0	0	0	0	49	0.22	0.18		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	7	261	0	0	0	0	269	0.34	0.37		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	3	64	0	0	0	0	67	0.15	0.78		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	73	271	5,697	0	0	0	0	6,041	0.16	1.25		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	17	75	2,162	0	0	0	0	2,254	0.21	2.26		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	13	447	0	0	0	0	462	0.29	3.45		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	39	106	2,396	0	0	0	0	2,541	0.12	2.98		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	13	70	1,589	0	0	0	0	1,672	0.15	3.78		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	12	48	1,616	0	0	0	0	1,676	0.17	4.52		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	44	1,266	0	0	0	0	1,317	0.22	5.88		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

SUSPECTED SERIOUS INJURY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----								ACC TOTAL	ACCIDENT RATE INTENSITY		
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	35	362	0	0	0	0	0	397	0.01	0.19		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	7	67	0	0	0	0	0	74	0.01	0.39		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	9	0	0	0	0	0	10	0.01	0.04		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	16	171	0	0	0	0	0	187	0.03	0.29		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	0	0	0	0	0	1	0.02	0.27		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	12	217	0	0	0	0	0	229	0.08	0.04		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	40	598	0	0	0	0	0	638	0.08	0.07		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	1	15	0	0	0	0	0	16	0.03	0.12		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	190	2,343	0	0	0	0	0	2,533	0.05	0.25		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	13	153	0	0	0	0	0	166	0.04	0.32		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	1	22	0	0	0	0	0	23	0.06	0.56		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	15	0	0	0	0	0	15	0.05	1.17		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	13	123	0	0	0	0	0	136	0.03	0.73		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	4	35	0	0	0	0	0	39	0.03	0.71		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	27	0	0	0	0	0	27	0.03	0.74		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	5	0	0	0	0	0	5	0.03	0.62		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	62	870	0	0	0	0	0	932	0.01	0.44		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	2	78	0	0	0	0	0	80	0.01	0.14		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	87	2,069	0	0	0	0	0	2,156	0.04	0.71		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	21	0	0	0	0	0	21	0.10	0.08		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	83	0	0	0	0	0	86	0.11	0.12		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	16	0	0	0	0	0	16	0.04	0.19		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	71	1,516	0	0	0	0	0	1,587	0.04	0.33		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	15	508	0	0	0	0	0	523	0.05	0.52		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	2	84	0	0	0	0	0	86	0.05	0.64		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	34	532	0	0	0	0	0	566	0.03	0.66		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	14	344	0	0	0	0	0	358	0.03	0.81		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	14	319	0	0	0	0	0	333	0.03	0.90		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	7	288	0	0	0	0	0	295	0.05	1.32		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

TAILGATING

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE	LENGTH	-----UNKNOWN-----							ACC	ACCIDENT			
			TOTAL WIDTH	ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY		
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	3	10	47	68	34	13	204	379	0.01	0.18		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	5	35	44	11	3	110	209	0.02	1.10		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	2	1	3	1	6	13	0.02	0.05		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	1	2	30	73	36	4	135	281	0.04	0.43		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	6	0	0	2	8	0.18	2.15		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	1	4	5	1	0	5	16	0.01	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	2	8	10	19	7	3	41	90	0.01	0.01		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	2	1	1	0	4	8	0.02	0.06		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	6	23	201	479	130	31	863	1,733	0.03	0.17		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	1	1	22	39	13	2	85	163	0.04	0.31		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	8	2	1	9	20	0.05	0.49		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	3	6	3	0	13	25	0.09	1.94		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	8	43	88	46	6	197	388	0.09	2.09		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	1	8	29	12	1	68	119	0.08	2.15		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	4	12	6	0	31	53	0.06	1.46		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	1	1	1	1	4	8	0.04	1.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	13	46	566	1,378	772	167	3,230	6,172	0.06	2.88		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	2	21	102	52	10	162	349	0.07	0.59		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	8	46	471	1,567	1,326	134	2,890	6,442	0.12	2.13		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	1	0	2	0	1	4	0.02	0.02		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	2	4	6	0	15	27	0.03	0.04		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	5	2	0	7	14	0.03	0.16		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	5	18	185	510	324	30	1,107	2,179	0.06	0.45		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	3	9	53	206	172	12	401	856	0.08	0.86		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	15	40	45	0	53	153	0.09	1.14		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	3	7	176	570	408	40	1,254	2,458	0.12	2.88		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	2	12	93	380	263	35	674	1,459	0.13	3.30		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	2	6	92	316	281	21	650	1,368	0.14	3.69		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	1	3	56	226	153	17	345	801	0.14	3.57		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

TRAIN

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----UNKNOWN-----							ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE			FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO					
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	2	0	0	1	3	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	1	0	0	1	0	0	1	3	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	2	0	1	0	4	7	0.00	0.00		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	0	0	0	0	1	0.00	0.08		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	1	0	0	0	1	0.00	0.01		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	0	0	1	0	3	0	2	6	0.00	0.00		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	0	2	1	0	1	1	6	0.01	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	1	0	2	2	1	0	8	14	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	0	1	0	1	0	4	6	0.00	0.01		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	0	0	1	1	0.00	0.01		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	0	1	0	0	0	4	6	0.00	0.01		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	0	0	1	0	0	0	1	0.00	0.00		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	0	0	0	2	2	0.00	0.01		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	0	0	0	0	0	0.00	0.00		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

TRAIN TROLLEY

							-----ACCIDENT COUNTS BY SEVERITY-----											
					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO	ACC TOTAL	ACCIDENT RATE INTENSITY			
			TOTAL WIDTH	ADT RANGE							SEVERITY	IF INJ						
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	2	0	0	1	3	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	1	0	0	1	0	0	1	3	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	2	0	1	0	4	7	0.00	0.00		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	0	0	0	0	1	0.00	0.08		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	1	0	0	0	1	0.00	0.01		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	1	2	2	13	12	2	4	36	0.00	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	0	2	1	0	1	1	6	0.01	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	0	0	0	1	0.00	0.01		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	0	3	10	10	1	8	34	0.00	0.01		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	0	3	10	6	0	4	24	0.00	0.02		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	1	0	1	2	0.00	0.02		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	0	1	0	0	0	4	6	0.00	0.01		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	1	1	7	4	0	0	13	0.00	0.03		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	1	0	0	2	3	0.00	0.01		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	4	1	0	2	7	0.00	0.03		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

TROLLEY

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
TOTAL WIDTH				ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0	0.00	0.00	
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0	0.00	0.00	
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	0	0	0	0	0	0	0	0	0.00	0.00	
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	0	0	0	0	0	0	0	0.00	0.00	
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	1	2	1	13	9	2	2	30	0.00	0.01		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0	0.00	0.00	
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	0	0	0	0	0	0.00	0.00	
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	1	0	0	0	1	0.00	0.01		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	1	0	1	8	9	1	0	20	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	0	2	10	5	0	0	18	0.00	0.02		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	0	0	1	0	0	1	0.00	0.01		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	1	1	6	4	0	0	12	0.00	0.03		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	0	0	1	0	0	0	1	0.00	0.00		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	0	0	4	1	0	2	7	0.00	0.03		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

UNBELTED

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	100	131	251	286	123	11	318	1,220	0.03	0.58
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	19	21	42	49	22	5	47	205	0.02	1.08
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	2	6	8	9	5	0	9	39	0.06	0.16
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	51	68	147	182	98	10	170	726	0.10	1.12
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	5	0	0	3	8	0.18	2.15
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	44	91	151	233	65	24	239	847	0.29	0.14
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	148	201	556	647	245	48	576	2,421	0.29	0.25
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	3	8	19	18	8	3	15	74	0.16	0.55
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	614	834	1,927	2,198	971	131	2,108	8,783	0.17	0.87
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	42	49	107	180	81	13	148	620	0.14	1.19
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	2	5	8	24	9	2	15	65	0.17	1.58
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	3	11	8	5	0	14	41	0.14	3.18
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	26	38	74	105	52	6	93	394	0.09	2.12
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	7	10	25	36	25	3	29	135	0.09	2.44
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	4	9	23	24	7	0	30	97	0.11	2.67
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	3	3	5	12	1	0	4	28	0.15	3.50
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	184	275	832	1,086	794	79	1,157	4,407	0.05	2.06
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	16	21	55	107	95	17	125	436	0.08	0.74
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	195	565	1,626	2,950	2,430	196	3,023	10,985	0.20	3.64
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	1	10	15	19	11	1	21	78	0.36	0.28
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	34	67	69	45	5	94	317	0.41	0.44
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	2	8	17	18	13	1	27	86	0.19	1.01
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	230	462	1,140	1,584	1,122	92	2,023	6,653	0.17	1.37
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	41	121	437	759	527	60	934	2,879	0.26	2.89
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	11	19	73	194	156	15	182	650	0.40	4.85
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	65	157	431	670	509	29	816	2,677	0.13	3.14
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	44	79	296	535	426	34	614	2,028	0.18	4.59
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	43	74	279	533	472	40	728	2,169	0.22	5.85
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	26	52	193	537	340	30	412	1,590	0.27	7.10

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

UNDERAGE DRINKING DRIVER

							-----ACCIDENT COUNTS BY SEVERITY-----											
							-----UNKNOWN-----						ACC		ACCIDENT			
TOTAL WIDTH				ADT RANGE		MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY	
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	3	10	7	1	0	13	35	0.00	0.02		
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	0	1	0	0	4	6	0.00	0.03		
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	2	1	5	5	0	0	7	20	0.00	0.03		
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00		
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	7	10	17	3	4	25	67	0.02	0.01		
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	7	23	34	52	15	4	63	198	0.02	0.02		
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	0	1	1	0	3	6	0.01	0.05		
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	21	42	80	134	44	11	185	517	0.01	0.05		
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	2	4	13	0	1	21	41	0.01	0.08		
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	0	0	1	1	0.00	0.02		
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	1	1	0	0	3	0.01	0.23		
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	3	1	2	1	0	4	11	0.00	0.06		
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	1	1	0	5	7	0.00	0.13		
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	1	0	0	0	1	2	0.00	0.06		
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00		
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	5	17	18	47	19	1	54	161	0.00	0.08		
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	1	4	4	2	0	3	14	0.00	0.02		
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	6	14	27	56	44	6	91	244	0.00	0.08		
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	0	1	0	0	3	6	0.03	0.02		
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	3	7	2	1	0	8	22	0.03	0.03		
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	1	2	0	0	3	6	0.01	0.07		
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	13	32	53	97	47	14	185	441	0.01	0.09		
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	2	12	20	27	17	5	63	146	0.01	0.15		
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	0	2	4	1	2	11	20	0.01	0.15		
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	0	11	16	22	10	1	43	103	0.00	0.12		
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	3	3	8	12	11	3	28	68	0.01	0.15		
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	2	5	8	11	6	1	32	65	0.01	0.18		
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	2	2	6	2	1	20	33	0.01	0.15		

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

UNLICENSED

			TOTAL WIDTH	ADT RANGE	MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
							FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	1	0	0	0	1	0	4	6	0.00	0.00
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	0	1	0	1	0	0	2	4	0.00	0.02
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	0	0	2	1	0	0	2	5	0.00	0.01
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	2	4	4	1	0	5	16	0.01	0.00
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	1	0	9	7	3	1	10	31	0.00	0.00
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	4	8	17	27	9	4	61	130	0.00	0.01
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	0	0	1	2	2	0	5	10	0.00	0.02
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	1	0	0	0	0	1	0.00	0.02
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	0	1	2	1	0	7	11	0.00	0.06
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	1	2	2	0	0	5	0.00	0.09
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	0	0	0	0	0	0	0.00	0.00
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	0	3	20	24	17	3	51	118	0.00	0.06
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	0	1	4	4	0	4	13	0.00	0.02
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	1	28	79	194	152	20	268	742	0.01	0.25
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	0	0	0	0	0	0.00	0.00
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	0	0	0	1	0	3	4	0.01	0.01
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	0	0	0	2	0	0	2	0.00	0.02
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	4	22	45	34	6	114	227	0.01	0.05
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	0	4	12	34	38	5	100	193	0.02	0.19
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	1	1	17	12	1	9	41	0.03	0.31
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	1	0	11	23	21	1	68	125	0.01	0.15
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	0	1	7	25	16	9	52	110	0.01	0.25
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	0	2	16	30	30	7	55	140	0.01	0.38
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	4	12	45	30	4	34	129	0.02	0.58

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

UNSIGNALIZED INT

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	5	19	66	153	49	18	443	753	N/A	N/A
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	7	18	40	13	2	69	150	N/A	N/A
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	6	7	7	0	22	42	N/A	N/A
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	20	37	204	315	137	13	566	1,292	0.18	1.99
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	1	3	9	1	0	11	25	0.57	6.72
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	1	29	105	165	62	28	351	741	0.26	0.12
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	35	107	372	573	196	62	1,257	2,602	0.32	0.27
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	2	14	30	5	0	54	105	0.23	0.78
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	188	450	1,860	3,012	1,207	238	6,163	13,118	0.25	1.31
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	15	36	154	308	112	27	648	1,300	0.29	2.49
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	12	20	32	14	3	71	152	0.39	3.68
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	2	12	16	8	1	38	77	0.27	5.98
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	9	39	134	241	114	9	486	1,032	0.24	5.56
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	5	5	26	54	32	3	146	271	0.18	4.90
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	3	15	36	9	1	65	130	0.15	3.58
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	1	2	5	10	7	0	23	48	0.26	5.99
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	26	110	615	1,408	846	210	3,577	6,792	N/A	N/A
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	3	14	50	120	125	29	367	708	N/A	N/A
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	108	333	1,442	3,704	3,220	433	7,685	16,925	0.31	5.60
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	19	30	13	2	94	160	0.73	0.58
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	3	23	85	129	84	18	316	658	0.84	0.91
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	3	26	39	38	6	106	218	0.48	2.55
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	123	430	1,936	4,143	2,753	401	10,220	20,006	0.52	4.13
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	39	157	781	1,758	1,363	224	3,948	8,270	0.76	8.29
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	7	23	113	292	220	37	474	1,166	0.72	8.70
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	43	127	666	1,743	1,336	160	3,933	8,008	0.38	9.39
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	19	75	374	940	826	81	2,045	4,360	0.39	9.86
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	25	82	404	1,001	792	118	1,953	4,375	0.45	11.79
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	11	44	270	685	497	62	969	2,538	0.43	11.33

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

VEHICLE FAILURE

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
TOTAL WIDTH	ADT RANGE						FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	17	23	81	173	38	9	636	977	0.02	0.47
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	1	6	27	27	11	4	123	199	0.02	1.05
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	1	1	7	1	0	20	30	0.04	0.12
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	6	9	30	34	21	3	189	292	0.04	0.45
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	1	0	0	1	2	0.05	0.54
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	4	6	20	30	17	4	128	209	0.07	0.04
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	11	18	77	156	50	13	358	683	0.08	0.07
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	1	4	3	1	1	17	27	0.06	0.20
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	65	77	331	547	202	43	1,570	2,835	0.05	0.28
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	5	11	25	51	20	3	148	263	0.06	0.50
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	2	4	0	0	15	21	0.05	0.51
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	1	3	3	1	0	11	19	0.07	1.48
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	5	6	15	35	9	1	85	156	0.04	0.84
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	1	0	3	12	3	1	28	48	0.03	0.87
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	1	1	6	1	0	1	26	36	0.04	0.99
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	2	1	1	0	7	11	0.06	1.37
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	27	46	238	453	290	61	1,746	2,861	0.03	1.34
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	3	4	21	50	18	2	150	248	0.05	0.42
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	33	63	296	672	656	75	1,978	3,773	0.07	1.25
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	2	3	6	4	0	17	32	0.15	0.12
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	1	1	17	20	13	3	65	120	0.15	0.17
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	1	2	2	0	18	24	0.05	0.28
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	23	50	212	434	284	42	1,498	2,543	0.07	0.53
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	5	21	79	198	140	26	635	1,104	0.10	1.11
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	1	4	13	41	29	12	105	205	0.13	1.53
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	9	15	87	189	135	13	640	1,088	0.05	1.28
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	4	17	57	140	120	12	446	796	0.07	1.80
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	5	11	46	155	121	14	397	749	0.08	2.02
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	1	4	40	128	78	11	232	494	0.08	2.20

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

WET ROAD

					MILLION VEHICLE MILES/5 YRS	LENGTH (MILES)	-----ACCIDENT COUNTS BY SEVERITY-----							ACC TOTAL	ACCIDENT	
		TOTAL WIDTH	ADT RANGE				FATAL	MAJOR	MODRT	MINOR	-----UNKNOWN-----		PDO		RATE	INTENSITY
											SEVERITY	IF INJ				
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	31	40	225	409	133	35	1,426	2,299	0.06	1.10
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	7	2	34	80	32	11	255	421	0.05	2.21
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	1	2	9	20	3	1	53	89	0.13	0.35
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	27	24	108	195	73	18	451	896	0.13	1.38
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	1	0	1	0	3	5	0.11	1.34
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	9	25	92	175	53	29	353	736	0.26	0.12
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	47	74	330	536	188	65	1,422	2,662	0.32	0.28
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	2	3	9	24	11	1	49	99	0.21	0.74
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	184	350	1,326	2,352	815	191	5,570	10,788	0.20	1.07
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	11	24	66	144	63	14	351	673	0.15	1.29
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	1	8	13	10	0	34	66	0.17	1.60
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	1	1	3	14	8	1	30	58	0.20	4.51
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	19	13	80	116	45	9	254	536	0.13	2.89
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	2	3	23	26	15	3	79	151	0.10	2.73
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	3	2	17	5	3	50	80	0.09	2.20
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	1	2	6	1	1	17	28	0.15	3.50
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	45	91	651	1,528	929	239	4,722	8,206	0.09	3.83
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	6	5	58	150	103	28	539	889	0.17	1.50
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	94	256	1,323	3,645	2,987	389	6,868	15,562	0.29	5.15
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	3	9	11	5	1	47	76	0.35	0.28
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	14	38	57	30	13	197	349	0.45	0.48
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	2	9	32	9	2	66	120	0.26	1.40
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	83	219	915	2,093	1,365	251	5,890	10,816	0.28	2.23
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	31	80	289	764	626	104	1,811	3,705	0.34	3.71
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	6	6	63	190	148	29	275	717	0.44	5.35
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	25	58	333	895	709	95	2,418	4,533	0.22	5.32
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	19	48	225	619	512	60	1,471	2,954	0.27	6.68
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	18	49	222	631	532	87	1,347	2,886	0.29	7.78
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	12	36	190	557	429	63	818	2,105	0.36	9.39

Pennsylvania Department of Transportation
Center for Highway Safety
Homogenous Report for State Road Crashes in Years 2012 to 2016

AVERAGE CRASH EXPERIENCE FOR HOMOGENOUS ROADWAY ATTRIBUTES

WORK ZONE																	
							-----ACCIDENT COUNTS BY SEVERITY-----										
					MILLION VEHICLE	LENGTH	-----UNKNOWN----							ACC	ACCIDENT		
TOTAL WIDTH					ADT RANGE	MILES/5 YRS	(MILES)	FATAL	MAJOR	MODRT	MINOR	SEVERITY	IF INJ	PDO	TOTAL	RATE	INTENSITY
RURAL	FAC	DIV	0 - 99 FT	0 - 20,000	40,084	2,097	11	11	76	110	46	5	295	554	0.01	0.26	
RURAL	FAC	DIV	0 - 99 FT	20,001 - 99,999	8,489	190	2	1	15	21	9	1	51	100	0.01	0.53	
RURAL	FAC	UNDIV	0 - 99 FT	0 - 99,999	675	251	0	0	0	1	0	0	0	1	0.00	0.00	
RURAL	NFAC	DIV	0 - 40 FT	0 - 99,999	7,147	650	1	7	14	38	12	3	74	149	0.02	0.23	
RURAL	NFAC	DIV	41 - 99 FT	0 - 99,999	44	4	0	0	0	1	0	0	1	2	0.05	0.54	
RURAL	NFAC	UNDIV	0 - 19 FT	0 - 999	2,876	5,997	0	1	2	3	1	1	7	15	0.01	0.00	
RURAL	NFAC	UNDIV	20 - 99 FT	0 - 999	8,250	9,648	2	1	3	4	4	1	15	30	0.00	0.00	
RURAL	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	465	134	0	0	0	0	0	0	2	2	0.00	0.02	
RURAL	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	52,708	10,048	7	13	40	93	53	6	180	392	0.01	0.04	
RURAL	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	4,472	522	2	1	1	11	5	0	15	35	0.01	0.07	
RURAL	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	388	41	0	0	0	0	1	0	0	1	0.00	0.02	
RURAL	NFAC	UNDIV	0 - 21 FT	10,000 - 99,999	287	13	0	0	1	0	2	0	3	6	0.02	0.47	
RURAL	NFAC	UNDIV	22 - 26 FT	10,000 - 99,999	4,250	186	0	1	0	10	2	1	17	31	0.01	0.17	
RURAL	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	1,524	55	0	0	0	4	0	0	14	18	0.01	0.33	
RURAL	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	851	36	0	0	2	4	0	0	3	9	0.01	0.25	
RURAL	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	184	8	0	0	0	2	0	0	0	2	0.01	0.25	
URBAN	FAC	DIV	0 - 99 FT	0 - 99,999	95,630	2,140	24	49	308	668	450	94	1,635	3,228	0.03	1.51	
URBAN	FAC	UNDIV	0 - 99 FT	0 - 99,999	5,350	592	0	1	10	20	8	2	57	98	0.02	0.17	
URBAN	NFAC	DIV	0 - 99 FT	0 - 99,999	54,017	3,022	18	24	142	328	316	39	764	1,631	0.03	0.54	
URBAN	NFAC	UNDIV	0 - 19 FT	0 - 999	218	274	0	0	0	1	1	0	2	4	0.02	0.02	
URBAN	NFAC	UNDIV	20 - 99 FT	0 - 999	783	724	0	1	1	0	1	1	7	11	0.01	0.02	
URBAN	NFAC	UNDIV	0 - 19 FT	1,000 - 9,999	454	85	0	1	0	0	0	0	2	3	0.01	0.04	
URBAN	NFAC	UNDIV	20 - 26 FT	1,000 - 9,999	38,472	4,848	2	11	36	63	46	5	140	303	0.01	0.06	
URBAN	NFAC	UNDIV	27 - 40 FT	1,000 - 9,999	10,932	998	1	3	10	41	30	3	40	128	0.01	0.13	
URBAN	NFAC	UNDIV	41 - 99 FT	1,000 - 9,999	1,615	134	0	1	3	6	6	0	9	25	0.02	0.19	
URBAN	NFAC	UNDIV	0 - 26 FT	10,000 - 99,999	20,850	853	5	7	18	71	33	1	133	268	0.01	0.31	
URBAN	NFAC	UNDIV	27 - 35 FT	10,000 - 99,999	11,104	442	1	1	12	20	24	2	63	123	0.01	0.28	
URBAN	NFAC	UNDIV	36 - 40 FT	10,000 - 99,999	9,826	371	1	1	11	24	24	5	44	110	0.01	0.30	
URBAN	NFAC	UNDIV	41 - 99 FT	10,000 - 99,999	5,882	224	0	3	12	19	18	4	43	99	0.02	0.44	

Appendix C-3
Segment Grades for Existing and Alternatives

Segment	Begin STA	End STA	Existing Conditions			
			Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	1200+00	1225+49	2549	0.48	2.98%	-2.98%
2	1225+49	1262+89	3740	0.71	-3.02%	3.02%
3*	1262+89	1323+72	6083	1.15	-0.80%	0.80%
4	1323+72	1392+49	6877	1.30	-2.94%	2.94%

* Tunnel Segment

Brown Cut Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	71+00	76+50	550	0.10	2.92%	-2.92%
	76+50	85+30	880	0.17	5.00%	-5.00%
	85+30	110+90	2560	0.48	0.50%	-0.50%
	110+90	158+00	4710	0.89	4.00%	-4.00%
2	158+00	252+75	9475	1.79	-5.00%	5.00%
	252+75	256+00	325	0.06	-3.12%	3.12%

Brown Tunnel Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	71+00	76+50	550	0.10	2.92%	-2.92%
	76+50	85+30	880	0.17	5.00%	-5.00%
	85+30	110+90	2560	0.48	0.50%	-0.50%
	110+90	153+50	4260	0.81	2.50%	-2.50%
2*	153+50	185+35	3185	0.60	-1.50%	1.50%
	185+35	194+68	933	0.18	-5.00%	5.00%
3	194+68	255+20	6052	1.15	-5.00%	5.00%
	255+20	257+32	212	0.04	-2.86%	2.86%

* Tunnel Segment

Yellow Cut Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	100+00	111+00	1100	0.21	-2.51%	2.51%
	111+00	121+87	1087	0.21	5.00%	-5.00%
	121+87	148+37	2650	0.50	2.50%	-2.50%
2	148+37	174+87	2650	0.50	-2.50%	2.50%
	174+87	224+50	4963	0.94	-4.90%	4.90%
	224+50	238+65	1415	0.27	-2.72%	2.72%

Yellow Tunnel Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	100+00	108+00	800	0.15	-3.00%	3.00%
	108+00	126+25	1825	0.35	3.00%	-3.00%
	126+25	150+05	2380	0.45	1.50%	-1.50%
2*	150+05	198+03	4798	0.91	-3.00%	3.00%
3	198+03	226+50	2847	0.54	-4.50%	4.50%
	226+50	238+37	1187	0.22	-2.99%	2.99%

* Tunnel Segment

Gray Cut Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	100+00	121+80	2180	0.41	3.47%	-3.47%
	121+80	147+60	2580	0.49	-1.00%	1.00%
	147+60	179+33	3173	0.60	5.00%	-5.00%
	179+33	191+70	1237	0.23	2.50%	-2.50%
2	191+70	204+07	1237	0.23	-2.50%	2.50%
	204+07	273+70	6963	1.32	-5.00%	5.00%
	273+70	298+70	2500	0.47	-2.94%	2.94%

Gray Tunnel Alternative						
Segment	Begin STA	End STA	Length (ft)	Length (mi)	Grade (EB)	Grade (WB)
1	100+00	121+80	2180	0.41	3.47%	-3.47%
	121+80	148+55	2675	0.51	-1.51%	1.51%
	148+55	177+88	2933	0.56	5.00%	-5.00%
	177+88	184+45	657	0.12	-0.75%	0.75%
2*	184+45	214+90	3045	0.58	-0.75%	0.75%
3	214+90	216+00	110	0.02	-0.75%	0.75%
	216+00	271+00	5500	1.04	-5.00%	5.00%
	271+00	302+05	3105	0.59	-2.95%	2.95%

* Tunnel Segment

Brown Cut

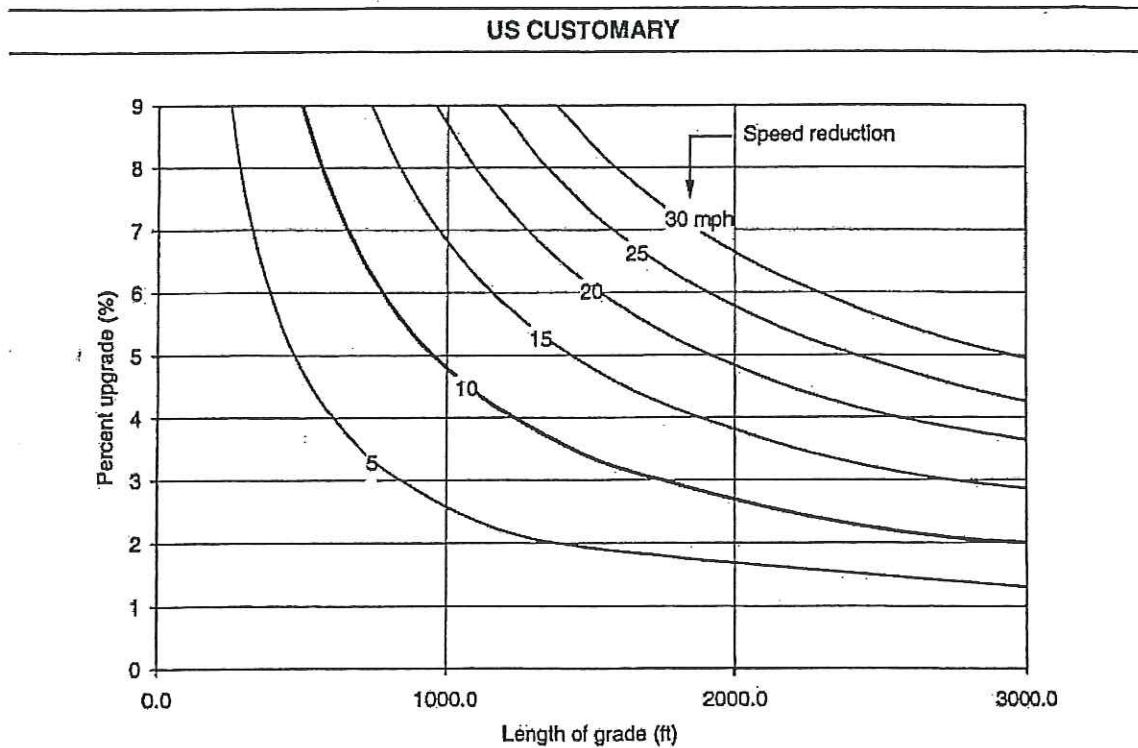


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 114+07.50 to STA 146+87.50

Length = 3,280'

Grade = +4.08

Speed reduction > 20mph

WESTBOUND

STA 251+05.00 to STA 169+12.50

Length = 8192.5'

Grade = +5.08

Speed Reduction > 30mph

SES
6/26/17

Brown Tunnel

US CUSTOMARY

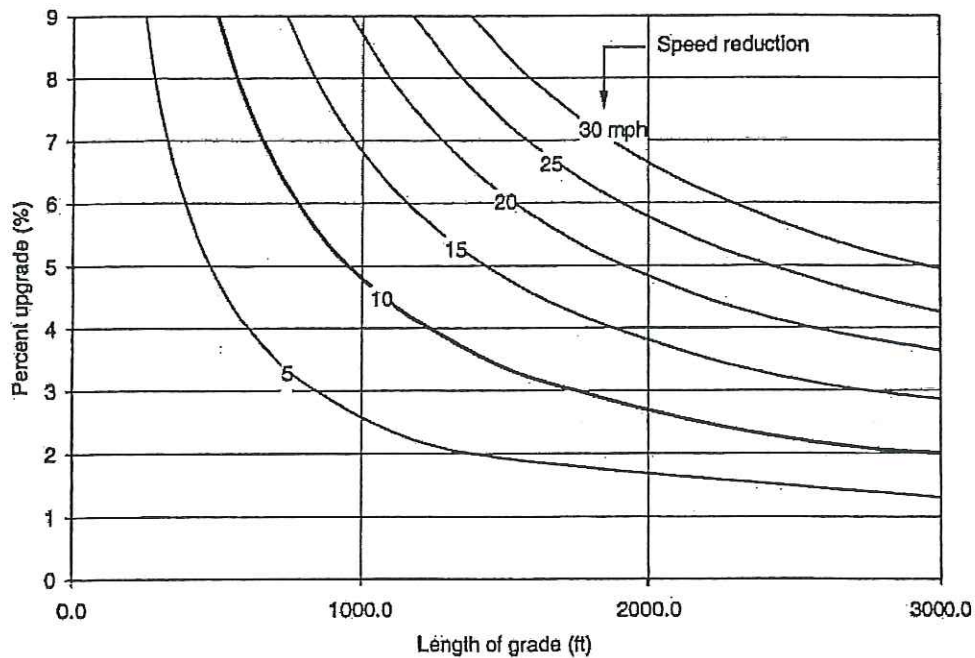


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 112+72.50 to STA 145+55.00

Length = 3282.5'

Grade = +2.50%

Speed Reduction > 10 mph

WESTBOUND

STA 253+25.00 to STA 189+67.50

Length = 6357.5'

Grade = +5.0%

Speed Reduction > 30 mph

JES

6/26/17

Yellow Cut

US CUSTOMARY

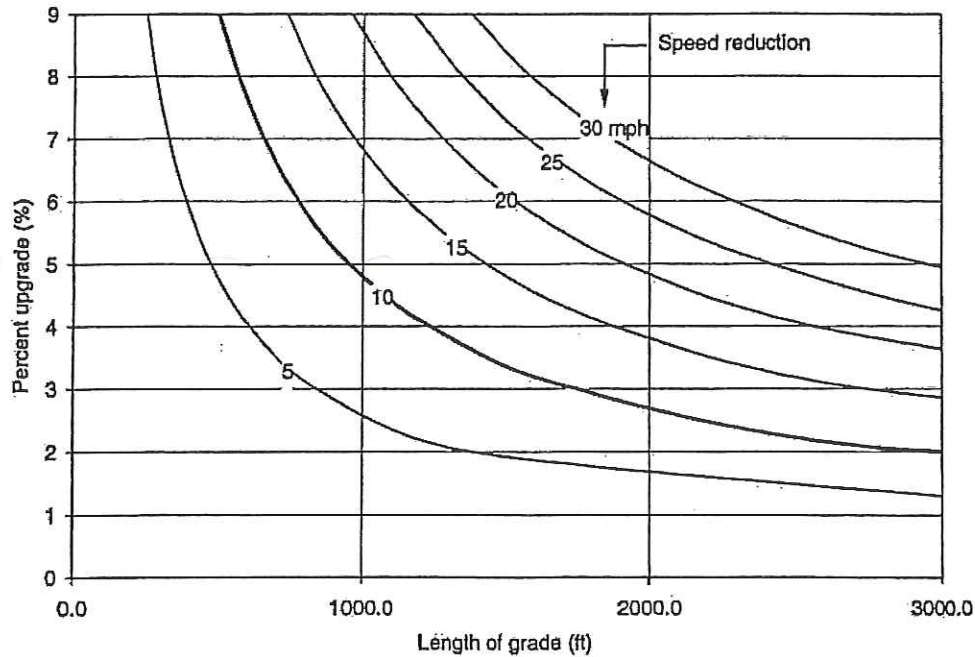


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 119+50.00 to STA 121+87.00 + $\frac{1}{4}$ LENGTH OF VERTICAL CURVE

$$\text{Length} = 237 + \frac{5300}{4} = 237 + 1325 = 1562'$$

Grade = +5.0%

Speed Reduction > 15 mph

WESTBOUND

STA 222+00.00 to STA 174+87.00

$$\text{Length} = 4713'$$

Grade = +4.90%

Speed Reduction > 30 mph

JES
6/27/17

YELLOW TUNNEL

US CUSTOMARY

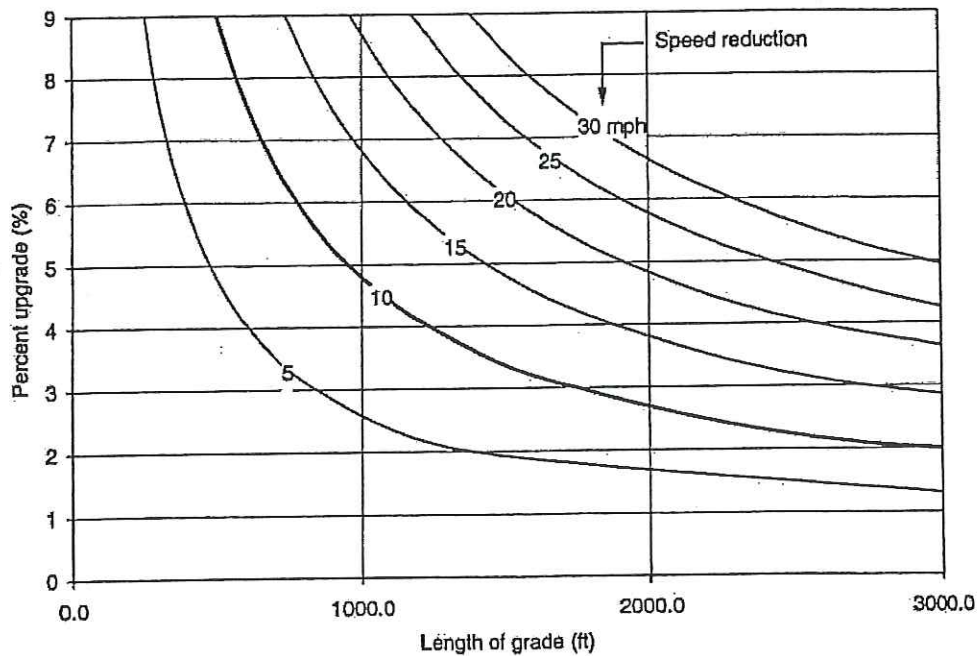


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 114+50.00 to STA 126+25.00 + $\frac{1}{4}$ LENGTH OF VERTICAL CURVE

$$\text{Length} = 1175 + \frac{3200}{4} = 1175 + 800 = 1975'$$

$$\text{Grade} = +3.0\%$$

Speed Reduction > 10 mph

WESTBOUND

STA 224+50.00 to STA 203+41.74

$$\text{Length} = 2108'$$

$$\text{Grade} = +4.50\%$$

Speed Reduction > 15 mph

JES

6/27/17

GRAY CUT

US CUSTOMARY

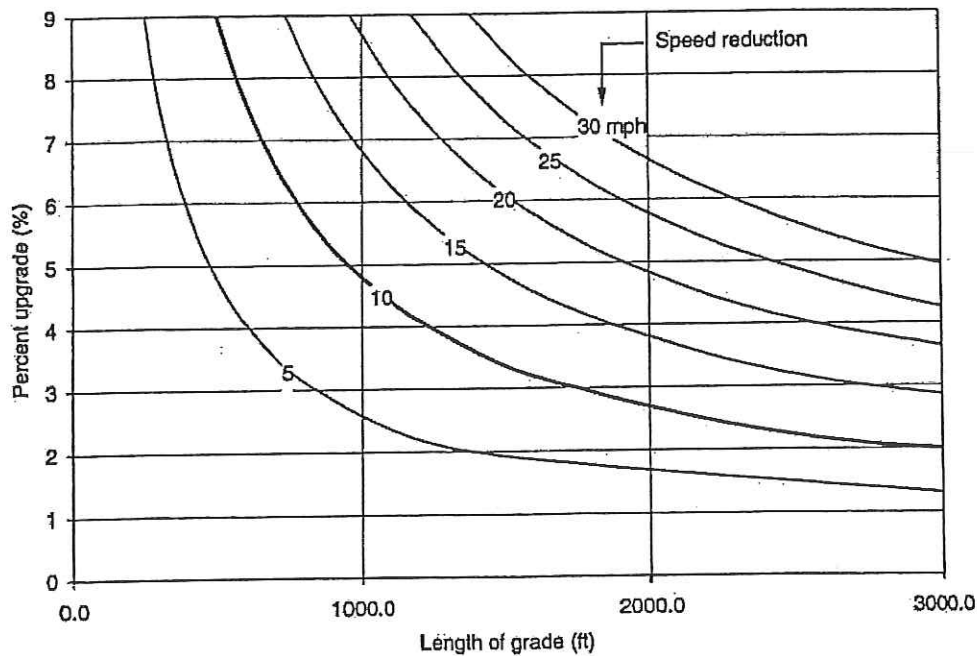


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 153+05.00 to STA 179+32.50

Length = 2627.5

Grade = +5.0%

Speed Reduction > 25 mph

WESTBOUND

STA 268+70.00 to STA 204+07.50

Length = 6462.5'

Grade = +5.0%

Speed Reduction > 30 mph

JES
6/27/17

GRAY TUNNEL

US CUSTOMARY

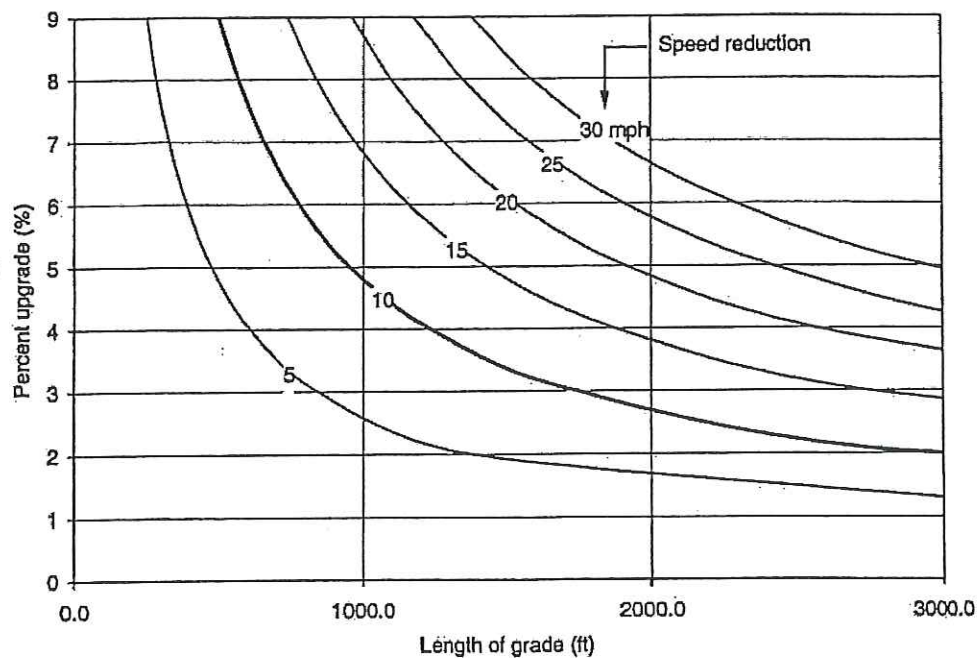


Exhibit 3-59. Critical Lengths of Grade for Design, Assumed Typical Heavy Truck of 120 kg/kW [200 lb/hp], Entering Speed = 110 km/h [70 mph]

EASTBOUND

STA 154+90.00 to STA 170+75.50

Length = 1585.5'

Grade = +5.0%

Speed Reduction > 15 mph

WESTBOUND

STA 266+00.00 to STA 221+25.00

Length = 4475'

Grade = +5.0%

Speed Reduction > 30 mph

JES

6/27/17

Appendix C-4

Capacity Analysis Outputs

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 1200+00 to STA 1225+49		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	2365	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	2.98%	Length 0.48mi
			Up/Down %	2.98	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	2		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			Design LOS		
	1307	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	69.9	mph	S		
D = v _p / S	18.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 1200+00 to STA 1225+49		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	2132	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-2.98%	0.48mi
			Length		
			Up/Down %	-2.98	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	2		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1167	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	70.0	mph	S		
D = v _p / S	16.7	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 1225+49 to STA 1262+89		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	2365	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-3.02%	
			Length	0.71mi	
			Up/Down %	-3.02	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	2		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1307	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	69.9	mph	S		
D = v _p / S	18.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 1225+49 to STA 1262+89		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 2					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	2132	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	3.02%	Length 0.71mi
			Up/Down %	3.02	
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	2.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.926	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	2		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			Design LOS		
	1212	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S		
D = v _p / S	17.3	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 1262+89 to STA 1323+72		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 3 (Tunnel)					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	2365	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-0.80%	1.15mi
			Length		
			Up/Down %	-0.80	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	2		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	60.0	mph	FFS	60.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1538	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	60.0	mph	S		
D = v _p / S	25.6	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 1262+89 to STA 1323+72		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 3 (Tunnel)					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	2132	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	0.80%	Length 1.15mi
			Up/Down %	0.80	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	2		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	60.0 mph	
FFS (measured)	60.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			Design LOS		
	1373	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	60.0	mph	S		
D = v _p / S	22.9	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 1323+72 to STA 1392+49		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 4					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	2365	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-2.94%	
			Length	1.30mi	
			Up/Down %	-2.94	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	2		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1307	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	69.9	mph	S		
D = v _p / S	18.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 1323+72 to STA 1392+49		
Date Performed	7/27/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Existing Conditions 2017		
Project Description Existing Conditions - Segment 4					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	2132	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	2.94%	Length 1.30mi
			Up/Down %	2.94	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.5	
E _T	2.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.926	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			Design LOS		
	808	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S		
D = v _p / S	11.5	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 71+00 to STA 158+00		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Cut Alternative - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade 3.95%	Length	1.65mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	3.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)] 0.833		
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			Design LOS		
	1777	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	66.1	mph	S		
D = v _p / S	26.9	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 71+00 to STA 158+00		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Cut Alternative - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-0.13%	1.65mi
			Length		
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0	mph
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S	mph	
D = v _p / S	17.0	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 158+00 to STA 256+00		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Cut Alternative - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-5.00%	1.86mi
			Length		
			Up/Down %	-5.00	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 158+00 to STA 256+00		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Cut Alternative - Segment 2					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	5.18%	Length 1.86mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	3.5	
E _T	3.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.833	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	69.7	mph	S	mph	
D = v _p / S	19.7	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 71+00 to STA 153+50		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade 1.65%	Length 1.56mi	
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)] 0.952		
Speed Inputs			Calc Speed Adj and FFS		
Lane Width	ft				
Rt-Side Lat. Clearance	ft				
Number of Lanes, N	3				
Total Ramp Density, TRD	ramps/mi				
FFS (measured)	70.0 mph				
Base free-flow Speed, BFFS	mph				
f _{LW}			mph		
f _{LC}			mph		
TRD Adjustment			mph		
FFS			70.0 mph		
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
1555	pc/h/ln		v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	x f _p)		
D = v _p / S	22.7	pc/mi/ln	S		
LOS	C		D = v _p / S		
			pc/mi/ln		
			Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12		
V - Hourly volume	D - Density		f _{LW} - Exhibit 11-8		
v _p - Flow rate	FFS - Free-flow speed		E _T - Exhibits 11-10, 11-11, 11-13		
LOS - Level of service	BFFS - Base free-flow speed		f _{LC} - Exhibit 11-9		
DDHV - Directional design hour volume			f _p - Page 11-18		
			TRD - Page 11-11		
			LOS, S, FFS, v _p - Exhibits 11-2, 11-3		

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 71+00 to STA 153+50		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade -0.31%	1.56mi	
			Length	Up/Down %	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S	mph	
D = v _p / S	17.0	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 153+50 to STA 194+68		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-2.52%	
			Length	0.78mi	
			Up/Down %		
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	60.0	mph	FFS	60.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1830	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	59.0	mph	S		
D = v _p / S	31.0	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 153+50 to STA 194+68		
Date Performed	6/5/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P_T	8	
Peak-Hr Prop. of AADT, K			%RVs, P_R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	0.92%	Length 0.78mi
Up/Down %					
Calculate Flow Adjustments					
f_p	0.85		E_R	1.2	
E_T	1.5		$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f_{LW}	mph	
Rt-Side Lat. Clearance		ft	f_{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	60.0	mph
FFS (measured)	60.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
$v_p = (V \text{ or } DDHV) / (PHF \times N \times f_{HV} \times f_p)$	1400	pc/h/ln	$v_p = (V \text{ or } DDHV) / (PHF \times N \times f_{HV} \times f_p)$	pc/h/ln	
S	60.0	mph	S	mph	
$D = v_p / S$	23.3	pc/mi/ln	$D = v_p / S$	pc/mi/ln	
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9	
v_p - Flow rate	FFS - Free-flow speed		f_p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v_p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 194+68 to STA 257+32		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 3					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-4.16%	
			Length	1.19mi	
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 194+68 to STA 257+32		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Brown Tunnel Alternative - Segment 3					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	5.00%	Length 1.19mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	3.0	
E _T	3.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.833	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	69.7	mph	S	mph	
D = v _p / S	19.7	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 148+37		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Cut Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	2.75%	Length 0.92mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.5	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 148+37		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Cut Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	0.96%	Length 0.92mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0	mph
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S	mph	
D = v _p / S	17.0	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 148+37 to STA 238+65		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Cut Alternative - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade -1.00%	1.71mi	
			Length	Up/Down %	
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0 mph	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 148+37 to STA 238+65		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Cut Alternative - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	2.61%	Length 1.71mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.5	
E _T	2.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.926	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1236	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	70.0	mph	S		
D = v _p / S	17.7	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 150+05		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	1.59%	Length 0.95mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0	mph
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 150+05		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	1.25%	Length 0.95mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	70.0	mph	S	mph	
D = v _p / S	17.0	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 150+05 to STA 198+03		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-3.00%	0.91mi
			Length		
			Up/Down %	-3.00	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	60.0	mph	FFS	60.0	mph
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1830	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	59.0	mph	S		
D = v _p / S	31.0	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 150+05 to STA 198+03		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	3.00%	Length 0.91mi
			Up/Down %	3.00	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.5	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	60.0 mph	
FFS (measured)	60.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1400	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	60.0	mph	S		
D = v _p / S	23.3	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 198+03 to STA 238+37		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 3					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-2.37%	
			Length	0.76mi	
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0 mph	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 198+03 to STA 238+37		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Yellow Tunnel Alternative - Segment 3					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	3.87%	Length 0.76mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	2.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.893	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	69.9	mph	S	mph	
D = v _p / S	18.3	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 191+70		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Cut Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	3.31%	Length 1.74mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	3.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.833	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0	mph
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1777	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	66.1	mph	S		
D = v _p / S	26.9	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 191+70		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Cut Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	0.96%	Length 1.74mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	2.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.926	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1236	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	70.0	mph	S		
D = v _p / S	17.7	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 191+70 to STA 298+70		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Cut Alternative - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-2.00%	
			Length	2.03mi	
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0 mph	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 191+70 to STA 298+70		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Cut Alternative - Segment 2					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	3.40%	Length 2.03mi
Up/Down %					
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	3.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.862	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0	mph
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1328	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	69.8	mph	S		
D = v _p / S	19.0	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 184+45		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 1					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	3.20%	Length 1.60mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	2.0	
E _T	3.0		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.833	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1777	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	66.1	mph	S		
D = v _p / S	26.9	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 100+00 to STA 184+45		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 1					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-0.03%	
			Length	1.60mi	
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1190	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	70.0	mph	S		
D = v _p / S	17.0	pc/mi/ln	D = v _p / S		
LOS	B		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 184+45 to STA 214+90		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	-0.75%	
			Length	0.58mi	
			Up/Down %	-0.75	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	60.0	mph	FFS	60.0 mph	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1830	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	59.0	mph	S		
D = v _p / S	31.0	pc/mi/ln	D = v _p / S		
LOS	D		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 184+45 to STA 214+90		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 2 (Tunnel)					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Grade	
DDHV = AADT x K x D		veh/h	Grade	0.75%	Length 0.58mi
			Up/Down %	0.75	
Calculate Flow Adjustments					
f _p	0.85		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.962	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	60.0 mph	
FFS (measured)	60.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1400	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			x f _p)		
S	60.0	mph	S		
D = v _p / S	23.3	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Eastbound		
Agency or Company	L.R. Kimball		From/To STA 214+90 to STA 302+05		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 3					
☒ Oper.(LOS) ☐ Des.(N) ☐ Planning Data					
Flow Inputs					
Volume, V	4221	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	10	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	-1.00%	
			Length	1.65mi	
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	1.2	
E _T	1.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.952	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft			
Rt-Side Lat. Clearance		ft	f _{LW}	mph	
Number of Lanes, N	3		f _{LC}	mph	
Total Ramp Density, TRD		ramps/mi	TRD Adjustment	mph	
FFS (measured)	70.0	mph	FFS	70.0 mph	
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV})			Design LOS		
	1555	pc/h/ln	v _p = (V or DDHV) / (PHF x N x f _{HV})		
x f _p)			pc/h/ln		
S	68.5	mph	S		
D = v _p / S	22.7	pc/mi/ln	D = v _p / S		
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12		
V - Hourly volume	D - Density		f _{LW} - Exhibit 11-8		
v _p - Flow rate	FFS - Free-flow speed		E _T - Exhibits 11-10, 11-11, 11-13		
LOS - Level of service	BFFS - Base free-flow speed		f _{LC} - Exhibit 11-9		
DDHV - Directional design hour volume			f _p - Page 11-18		
			TRD - Page 11-11		
			LOS, S, FFS, v _p - Exhibits 11-2, 11-3		

BASIC FREEWAY SEGMENTS WORKSHEET					
General Information			Site Information		
Analyst	JES		Highway/Direction of Travel I-76 Westbound		
Agency or Company	L.R. Kimball		From/To STA 214+90 to STA 302+05		
Date Performed	6/29/17		Jurisdiction Somerset / Bedford Counties		
Analysis Time Period	Design Hour		Analysis Year Design Year 2045		
Project Description Gray Tunnel Alternative - Segment 3					
☒ Oper.(LOS)		☐ Des.(N)		☐ Planning Data	
Flow Inputs					
Volume, V	3262	veh/h	Peak-Hour Factor, PHF	0.95	
AADT		veh/day	%Trucks and Buses, P _T	8	
Peak-Hr Prop. of AADT, K			%RVs, P _R	0	
Peak-Hr Direction Prop, D			General Terrain:	Composite	
DDHV = AADT x K x D		veh/h	Grade	4.05%	Length 1.65mi
			Up/Down %		
Calculate Flow Adjustments					
f _p	1.00		E _R	3.0	
E _T	3.5		f _{HV} = 1/[1+P _T (E _T - 1) + P _R (E _R - 1)]	0.833	
Speed Inputs			Calc Speed Adj and FFS		
Lane Width		ft	f _{LW}	mph	
Rt-Side Lat. Clearance		ft	f _{LC}	mph	
Number of Lanes, N	3		TRD Adjustment	mph	
Total Ramp Density, TRD		ramps/mi	FFS	70.0 mph	
FFS (measured)	70.0	mph			
Base free-flow Speed, BFFS		mph			
LOS and Performance Measures			Design (N)		
<u>Operational (LOS)</u>			<u>Design (N)</u>		
v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)			v _p = (V or DDHV) / (PHF x N x f _{HV} x f _p)		
S	69.7	mph	S	mph	
D = v _p / S	19.7	pc/mi/ln	D = v _p / S	pc/mi/ln	
LOS	C		Required Number of Lanes, N		
Glossary			Factor Location		
N - Number of lanes	S - Speed		E _R - Exhibits 11-10, 11-12	f _{LW} - Exhibit 11-8	
V - Hourly volume	D - Density		E _T - Exhibits 11-10, 11-11, 11-13	f _{LC} - Exhibit 11-9	
v _p - Flow rate	FFS - Free-flow speed		f _p - Page 11-18	TRD - Page 11-11	
LOS - Level of service	BFFS - Base free-flow speed		LOS, S, FFS, v _p - Exhibits 11-2, 11-3		
DDHV - Directional design hour volume					

Appendix C-5

Flow Rate Determination / Capacity Results

Year 2017
Flow Rate Determination / Capacity Results
Two-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	2365	0.95	2	0.833	1.00	1494	69.0	21.7	C
		WB	2132	0.95	2	0.962	1.00	1166	70.0	16.7	B
	2	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.833	1.00	1347	69.7	19.3	C
Brown Tunnel	1	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.962	1.00	1166	70.0	16.7	B
	2*	EB	2365	0.95	2	0.952	0.85	1538	60.0	25.6	C
		WB	2132	0.95	2	0.962	0.85	1372	60.0	22.9	C
	3	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.833	1.00	1347	69.7	19.3	C
Yellow Cut	1	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.962	1.00	1166	70.0	16.7	B
	2	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.926	1.00	1212	70.0	17.3	B
Yellow Tunnel	1	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.962	1.00	1166	70.0	16.7	B
	2*	EB	2365	0.95	2	0.952	0.85	1538	60.0	25.6	C
		WB	2132	0.95	2	0.962	0.85	1372	60.0	22.9	C
	3	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.893	1.00	1257	70.0	18.0	B
Gray Cut	1	EB	2365	0.95	2	0.833	1.00	1494	69.0	21.7	C
		WB	2132	0.95	2	0.926	1.00	1212	70.0	17.3	B
	2	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.862	1.00	1302	69.9	18.6	C
Gray Tunnel	1	EB	2365	0.95	2	0.833	1.00	1494	69.0	21.7	C
		WB	2132	0.95	2	0.962	1.00	1166	70.0	16.7	B
	2*	EB	2365	0.95	2	0.952	0.85	1538	60.0	25.6	C
		WB	2132	0.95	2	0.962	0.85	1372	60.0	22.9	C
	3	EB	2365	0.95	2	0.952	1.00	1307	69.9	18.7	C
		WB	2132	0.95	2	0.833	1.00	1347	69.7	19.3	C

* Tunnel Segment

Year 2025
Flow Rate Determination / Capacity Results
Two-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	2791	0.95	2	0.833	1.00	1763	66.3	26.6	D
		WB	2408	0.95	2	0.962	1.00	1317	69.8	18.9	C
	2	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.833	1.00	1521	68.8	22.1	C
Brown Tunnel	1	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.962	1.00	1317	69.8	18.9	C
	2*	EB	2791	0.95	2	0.952	0.85	1815	59.2	30.7	D
		WB	2408	0.95	2	0.962	0.85	1550	60.0	25.8	C
	3	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.833	1.00	1521	68.8	22.1	C
Yellow Cut	1	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.962	1.00	1317	69.8	18.9	C
	2	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.926	1.00	1369	69.7	19.7	C
Yellow Tunnel	1	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.962	1.00	1317	69.8	18.9	C
	2*	EB	2791	0.95	2	0.952	0.85	1815	59.2	30.7	D
		WB	2408	0.95	2	0.962	0.85	1550	60.0	25.8	C
	3	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.893	1.00	1419	69.4	20.4	C
Gray Cut	1	EB	2791	0.95	2	0.833	1.00	1763	66.3	26.6	D
		WB	2408	0.95	2	0.926	1.00	1369	69.7	19.7	C
	2	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.862	1.00	1470	69.2	21.3	C
Gray Tunnel	1	EB	2791	0.95	2	0.833	1.00	1763	66.3	26.6	D
		WB	2408	0.95	2	0.962	1.00	1317	69.8	18.9	C
	2*	EB	2791	0.95	2	0.952	0.85	1815	59.2	30.7	D
		WB	2408	0.95	2	0.962	0.85	1550	60.0	25.8	C
	3	EB	2791	0.95	2	0.952	1.00	1543	68.6	22.5	C
		WB	2408	0.95	2	0.833	1.00	1521	68.8	22.1	C

* Tunnel Segment

Year 2025
Flow Rate Determination / Capacity Results
Three-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	2791	0.95	3	0.833	1.00	1176	70.0	16.8	B
		WB	2408	0.95	3	0.962	1.00	878	70.0	12.5	B
	2	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.833	1.00	1014	70.0	14.5	B
Brown Tunnel	1	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.962	1.00	878	70.0	12.5	B
	2*	EB	2791	0.95	3	0.952	0.85	1210	60.0	20.2	C
		WB	2408	0.95	3	0.962	0.85	1033	60.0	17.2	B
	3	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.833	1.00	1014	70.0	14.5	B
Yellow Cut	1	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.962	1.00	878	70.0	12.5	B
	2	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.926	1.00	912	70.0	13.0	B
Yellow Tunnel	1	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.962	1.00	878	70.0	12.5	B
	2*	EB	2791	0.95	3	0.952	0.85	1210	60.0	20.2	C
		WB	2408	0.95	3	0.962	0.85	1033	60.0	17.2	B
	3	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.893	1.00	946	70.0	13.5	B
Gray Cut	1	EB	2791	0.95	3	0.833	1.00	1176	70.0	16.8	B
		WB	2408	0.95	3	0.926	1.00	912	70.0	13.0	B
	2	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.862	1.00	980	70.0	14.0	B
Gray Tunnel	1	EB	2791	0.95	3	0.833	1.00	1176	70.0	16.8	B
		WB	2408	0.95	3	0.962	1.00	878	70.0	12.5	B
	2*	EB	2791	0.95	3	0.952	0.85	1210	60.0	20.2	C
		WB	2408	0.95	3	0.962	0.85	1033	60.0	17.2	B
	3	EB	2791	0.95	3	0.952	1.00	1029	70.0	14.7	B
		WB	2408	0.95	3	0.833	1.00	1014	70.0	14.5	B

* Tunnel Segment

Year 2035
Flow Rate Determination / Capacity Results
Two-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	3432	0.95	2	0.833	1.00	2168	59.1	36.7	E
		WB	2802	0.95	2	0.962	1.00	1533	68.7	22.3	C
	2	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.833	1.00	1770	66.2	26.7	D
Brown Tunnel	1	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.962	1.00	1533	68.7	22.3	C
	2*	EB	3432	0.95	2	0.952	0.85	2232	52.7	42.3	E
		WB	2802	0.95	2	0.962	0.85	1804	59.2	30.5	D
	3	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.833	1.00	1770	66.2	26.7	D
Yellow Cut	1	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.962	1.00	1533	68.7	22.3	C
	2	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.926	1.00	1593	68.2	23.4	C
Yellow Tunnel	1	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.962	1.00	1533	68.7	22.3	C
	2*	EB	3432	0.95	2	0.952	0.85	2232	52.7	42.3	E
		WB	2802	0.95	2	0.962	0.85	1804	59.2	30.5	D
	3	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.893	1.00	1651	67.6	24.4	C
Gray Cut	1	EB	3432	0.95	2	0.833	1.00	2168	59.1	36.7	E
		WB	2802	0.95	2	0.926	1.00	1593	68.2	23.4	C
	2	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.862	1.00	1711	67.0	25.5	C
Gray Tunnel	1	EB	3432	0.95	2	0.833	1.00	2168	59.1	36.7	E
		WB	2802	0.95	2	0.962	1.00	1533	68.7	22.3	C
	2*	EB	3432	0.95	2	0.952	0.85	2232	52.7	42.3	E
		WB	2802	0.95	2	0.962	0.85	1804	59.2	30.5	D
	3	EB	3432	0.95	2	0.952	1.00	1897	64.4	29.5	D
		WB	2802	0.95	2	0.833	1.00	1770	66.2	26.7	D

* Tunnel Segment

Year 2035
Flow Rate Determination / Capacity Results
Three-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	3432	0.95	3	0.833	1.00	1446	69.3	20.9	C
		WB	2802	0.95	3	0.962	1.00	1022	70.0	14.6	B
	2	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.833	1.00	1180	70.0	16.9	B
Brown Tunnel	1	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.962	1.00	1022	70.0	14.6	B
	2*	EB	3432	0.95	3	0.952	0.85	1488	60.0	24.8	C
		WB	2802	0.95	3	0.962	0.85	1202	60.0	20.0	C
	3	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.833	1.00	1180	70.0	16.9	B
Yellow Cut	1	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.962	1.00	1022	70.0	14.6	B
	2	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.926	1.00	1062	70.0	15.2	B
Yellow Tunnel	1	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.962	1.00	1022	70.0	14.6	B
	2*	EB	3432	0.95	3	0.952	0.85	1488	60.0	24.8	C
		WB	2802	0.95	3	0.962	0.85	1202	60.0	20.0	C
	3	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.893	1.00	1101	70.0	15.7	B
Gray Cut	1	EB	3432	0.95	3	0.833	1.00	1446	69.3	20.9	C
		WB	2802	0.95	3	0.926	1.00	1062	70.0	15.2	B
	2	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.862	1.00	1141	70.0	16.3	B
Gray Tunnel	1	EB	3432	0.95	3	0.833	1.00	1446	69.3	20.9	C
		WB	2802	0.95	3	0.962	1.00	1022	70.0	14.6	B
	2*	EB	3432	0.95	3	0.952	0.85	1488	60.0	24.8	C
		WB	2802	0.95	3	0.962	0.85	1202	60.0	20.0	C
	3	EB	3432	0.95	3	0.952	1.00	1265	70.0	18.1	C
		WB	2802	0.95	3	0.833	1.00	1180	70.0	16.9	B

* Tunnel Segment

Year 2045
Flow Rate Determination / Capacity Results
Two-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	4221	0.95	2	0.833	1.00	2667	45.0	59.2	F
		WB	3262	0.95	2	0.962	1.00	1785	66.0	27.0	D
	2	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.833	1.00	2061	61.4	33.6	D
Brown Tunnel	1	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.962	1.00	1785	66.0	27.0	D
	2*	EB	4221	0.95	2	0.952	0.85	2745	36.2	75.8	F
		WB	3262	0.95	2	0.962	0.85	2100	55.5	37.9	E
	3	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.833	1.00	2061	61.4	33.6	D
Yellow Cut	1	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.962	1.00	1785	66.0	27.0	D
	2	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.926	1.00	1854	65.0	28.5	D
Yellow Tunnel	1	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.962	1.00	1785	66.0	27.0	D
	2*	EB	4221	0.95	2	0.952	0.85	2745	36.2	75.8	F
		WB	3262	0.95	2	0.962	0.85	2100	55.5	37.9	E
	3	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.893	1.00	1923	63.9	30.1	D
Gray Cut	1	EB	4221	0.95	2	0.833	1.00	2667	45.0	59.2	F
		WB	3262	0.95	2	0.926	1.00	1854	65.0	28.5	D
	2	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.862	1.00	1992	62.7	31.8	D
Gray Tunnel	1	EB	4221	0.95	2	0.833	1.00	2667	45.0	59.2	F
		WB	3262	0.95	2	0.962	1.00	1785	66.0	27.0	D
	2*	EB	4221	0.95	2	0.952	0.85	2745	36.2	75.8	F
		WB	3262	0.95	2	0.962	0.85	2100	55.5	37.9	E
	3	EB	4221	0.95	2	0.952	1.00	2334	55.1	42.4	E
		WB	3262	0.95	2	0.833	1.00	2061	61.4	33.6	D

* Tunnel Segment

Year 2045
Flow Rate Determination / Capacity Results
Three-Lanes Per Direction

Alternative	Segment	Direction	V	PHF	N	f _{HV}	f _p	v _p	S	Density	LOS
Brown Cut	1	EB	4221	0.95	3	0.833	1.00	1778	66.1	26.9	D
		WB	3262	0.95	3	0.962	1.00	1190	70.0	17.0	B
	2	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.833	1.00	1374	69.6	19.7	C
Brown Tunnel	1	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.962	1.00	1190	70.0	17.0	B
	2*	EB	4221	0.95	3	0.952	0.85	1830	59.0	31.0	D
		WB	3262	0.95	3	0.962	0.85	1400	60.0	23.3	C
	3	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.833	1.00	1374	69.6	19.7	C
Yellow Cut	1	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.962	1.00	1190	70.0	17.0	B
	2	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.926	1.00	1236	70.0	17.7	B
Yellow Tunnel	1	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.962	1.00	1190	70.0	17.0	B
	2*	EB	4221	0.95	3	0.952	0.85	1830	59.0	31.0	D
		WB	3262	0.95	3	0.962	0.85	1400	60.0	23.3	C
	3	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.893	1.00	1282	69.9	18.3	C
Gray Cut	1	EB	4221	0.95	3	0.833	1.00	1778	66.1	26.9	D
		WB	3262	0.95	3	0.926	1.00	1236	70.0	17.7	B
	2	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.862	1.00	1328	69.8	19.0	C
Gray Tunnel	1	EB	4221	0.95	3	0.833	1.00	1778	66.1	26.9	D
		WB	3262	0.95	3	0.962	1.00	1190	70.0	17.0	B
	2*	EB	4221	0.95	3	0.952	0.85	1830	59.0	31.0	D
		WB	3262	0.95	3	0.962	0.85	1400	60.0	23.3	C
	3	EB	4221	0.95	3	0.952	1.00	1556	68.5	22.7	C
		WB	3262	0.95	3	0.833	1.00	1374	69.6	19.7	C

* Tunnel Segment